

# FIG. 1A

ATGGCAAAATGGATACTGACACATTCAGCCTTACCTTCCCACCTGCCGGCTGCTGC  
TACACCTTACCTTACCTTACCTTAACCGGACTCCGAAAGGGGTGACGGGGACGAGG  
M W K N I L T H C A S A F P H I P G C C 60

TGCTGCCTTTTGCTCTTCTTGGTCTTCCGTCCCTGTCACCTGCCAAGCCCTT  
ACGACGACAAAACAACCACAGAACAGAACAGAACAGGAGGACAGTGACGGTTCGGAA  
S C C E L I F L V S S V P V T C Q A L 120

GGTCAGGACATGGTGTACCAAGGCCACCAACTCTTCTTCCCTCCTCTCCTCCT  
CCAGTCCTGTACCATCACAGTGTCTCCGGTGGTTGAGAAGAACAGGAGGAGAGGA  
G Q D M V S P E A T N S S S F S S P 180

TCCAGGGGGAAAGGCCATTGGGGAGCTACAAATCACCTTCAAGGAGATGTCGGAGA  
AGGTGGCCCTTCCGTACACGCCCTGAGTTAGTGAAGTTCCTCTACAGGGACCTCT  
S S A G R H V R S Y N H L Q G D V R W R 240

MATCH WITH FIG. 1B

MATCH WITH FIG. 1A

F I G . 1 B

AAGCTTATTCTTCAACCAAGTACTTTCTCAAGATGACAAGAACCGGAAGGTCAGGGG  
241  
-----+-----+-----+-----+-----+-----+-----+-----+  
TTCCGATAAGAGAAAGCTGGCTTCATGAAAGAGTTCTAACTCTCTCAGTCGGCCC  
K L F S F T K Y F L K I E K N G K V S G -  
  
ACCAAGGAGAAACTGCCGTACAGCATCTGGAGATAACATCAGTAGAAATCGGAGTT  
301  
-----+-----+-----+-----+-----+-----+-----+-----+  
TGGTTCTTCTCTGACGGCATGTCGTAGGACCTATTGTAGTCATCTTCTAGCCTCAA  
T K K E N C P Y S I L E I T S V E I G V -  
  
GTTGCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAAGAAGGGAAACTC  
361  
-----+-----+-----+-----+-----+-----+-----+-----+  
CAACGGCAGTTTCGGTAATTGTCGTGATAATTGAAATGGTACTTGTTCTTCCCTTGAG  
V A V K A I N S N Y Y L A M N K K G K L -  
  
TATGGCTCAAAAGAAATTAAACAAATGACTGACTGTAAGCTGAAGGAGAGGATAGAGGAAATGGA  
421  
-----+-----+-----+-----+-----+-----+-----+-----+  
ATACCGAAGTTCTTAAATTGTTACTGACATTCGACTTCTCCTATCTCCTTTACCT  
Y G S K E F N N D C K L K E R I E E N G -

MATCH WITH FIG. 1C

MATCH WITH FIG. 1B FIG. 1C

TACAATACCTATTAACTCATTTAACCTGCGGAGGATAATGGGAGGCCAATGTATGTCGCATTG  
 481  
 ATGTTATGGATACCTAGTAAATTGACCCGTATTACCCCTCCGTTACATACACCGTAAC  
 540  
 Y N T Y A S F N W Q H N G R Q M Y V A L -  
 AATGGAAAAGGGAGGCTCCAGGAGGGACAGAAACACGAAAGCAAACACCCCTCTGCTCAC  
 541  
 TTACCTTTTCCCTCGAGGTTCCTCCTGCTTTTGCTCTGCTTCCTTCTGGAGGACTG  
 600  
 N G K G A P R R G Q K T R R K N T S A H -  
 TTCTCTCCAATGGCTGCTACACTCATAG  
 601  
 AAGAAAGGTTACCACTGAGTATC  
 F L P M V V H S \*  
 627

# FIG. 2A

1	MS.GPGTAAV	ALLPAVLLAL	LA.....	PWAGRGGAA	APTAPEGTL
FGF4	MSRGAGRQLQG	TLMWALVFLGT	LV.....	GMVVPSPAG	TR.AMNTL LD
FGF6	.....MSL	SFLLLLFFSH	LILSAWAHGE	KRLAPKGQPG	PAATDRNPTIG
FGF5	.....	.....	.....	.....	.....
FGF1	.....	.....	.....	.....	.....
FGF2	.....	.....	.....	.....	.....
FGF9	.....	.....	.....	MAPLGEVG	NYFGVQDAVP
FGF7	.....	.....	MHKW ILTWILPPLL	YRSCK	HICLIVGTTIS
RGF2	.....	.....	MHKW ILTHCASA AFP	HLPGCCCCF	LLFLFLVSSVP
FGF3	.....	.....	.....	.....	.....
FGF8	MGSPRSALSC	LLIHLILVCL	QAQVRSAAQK	RGPAGNPAD	TLGQGHEDRP

51

AELEERRWESL	VALSLARILPV	AA..QPKEAA	VQSGAGDY	..LLGIKRL
FGF4	S...RGWIGTL	LSRSRAGLAG	EI..AG	VNWESG.Y..
FGF6	SSSRQSSSSA	MSSSASSSSP	AASLGSGQSG	..LVGIKRLQ
FGF5	.....MAEG	ELTTFTALTE	LEQSSFQW..	SPSGRRRT
FGF1	.....MAAG	SITLPAULPE	LPPG ..N..	YK..KP
FGF2	.....MAAG	DGGSGAFPPG	.....H..	FK..DP
FGF9	FGNVBVLPWD	SPVLLSDHLG	QSEAGGLPRG	PAVTDLH..
FGF7	LACNDMTPEQ	M...ATNVC	SSPE	..LKGTILRR
KGF2	VTQCQALGQDM	VSPEATNSSS	RHTRSYDY.	MEGGDIR
FGF3	PGWPAAGPGA	.....	RHVRSSNH..	..LQ.GDVR
FGF8	FGQRSSRAGKN	FTNAPAPNYPE	EGSKEQRDSV	LPKVVTQRHVR
			EQSLVTDQLS	

MATCH WITH FIG. 2B

MATCH WITH FIG. 2A

FIG. 2B

101

FGF4 RRI.....YC NVGIGFHLQA LPDGRIGGAH ADT. RDSSL E LSPVERGV. V  
FGF6 RRI.....YC NVGIGFHLQV LPDGRISGTH EEN. PYSSLE ISTVERGV. V  
FGF5 GSI.....YC RVGIGFHLQI YPDGKVNGSH EAN. MLSVLE IFAVSSGI. V  
FGF1 KLL.....YC SNG.GHFLRI LPDGTVDGTR DRSDQHIIQLQ LSÆFSVGE. V  
FGF2 KRL.....YC KNG.GFFLRI HDGGRVDGVR EKSDPHIKLQ LQAERGV. V  
FGF9 RQL.....YC R.T.GFHLEI FPNGTIQGTR KDHSRFGTLE FISTAVGL. V  
FGF7 VRR.....LF CRT.QWYLRIT DKGKVKGTQ EMKNNNTME IRTVAVGIV. V  
KGF2 WRK.....LF SFT.KYFLKI EKVGKVSGTK KENCPYSTLE ITSVETIGV. V  
FGF3 RRK.....LY CAT.KYHLQL HPSERVNGSL .ENSAYSTLE ITAVEVGI. V  
FGF8 RRLIRTYQLY SRTSGKHVQV LANKRINAMA EDGDPEAKLT VETDTFGSRV

150

RRI.....YC NVGIGFHLQA LPDGRIGGAH ADT. RDSSL E LSPVERGV. V  
FGF6 RRI.....YC NVGIGFHLQV LPDGRISGTH EEN. PYSSLE ISTVERGV. V  
FGF5 GSI.....YC RVGIGFHLQI YPDGKVNGSH EAN. MLSVLE IFAVSSGI. V  
FGF1 KLL.....YC SNG.GHFLRI LPDGTVDGTR DRSDQHIIQLQ LSÆFSVGE. V  
FGF2 KRL.....YC KNG.GFFLRI HDGGRVDGVR EKSDPHIKLQ LQAERGV. V  
FGF9 RQL.....YC R.T.GFHLEI FPNGTIQGTR KDHSRFGTLE FISTAVGL. V  
FGF7 VRR.....LF CRT.QWYLRIT DKGKVKGTQ EMKNNNTME IRTVAVGIV. V  
KGF2 WRK.....LF SFT.KYFLKI EKVGKVSGTK KENCPYSTLE ITSVETIGV. V  
FGF3 RRK.....LY CAT.KYHLQL HPSERVNGSL .ENSAYSTLE ITAVEVGI. V  
FGF8 RRLIRTYQLY SRTSGKHVQV LANKRINAMA EDGDPEAKLT VETDTFGSRV

151

SIFGVASRFF VAMSSRGKLY G. SPFFTDEC TFKETILLPNN YNAYESYKYP  
SIFGVRSALF VAMNSRGRLY A. TPSEQEEC KFRETILLPMN YNAYESDLYQ  
GIRGVFSNKF LAMSKKGKLH A. SAKFTDDC KFRERFQENS YNTYASAIHR  
YIKSTETGQY LAMDTDGLY G. SOTPNEEC LFLERLEBNH YNTYISKKH.  
SIRGVVCANRY LAMKEDGRLL A. SKCVTDEC FFFERLESNN YNTYRSRKY.  
SIRGVDSGLY LGMNEKGELY G. SEKLTOEC VFREQFEENW YNTYSSNLYK  
AIRGVESEFY LAMNKECKLY A. KRECNEDC NFKEILLENH YNTYAS...  
KGF2 AVKAINSYV LAMNKKGKLY G. SKEFNNDC KLKERTEENG YNTYAS...  
FGF3 AIRGLFSGRY LAMNKGRRLY A. SEHYSAEC EFVERTHELG YNTYASSRLYR  
FGF8 RVFGAETGGLY ICANKKGKLT AKSNNGKGKDC VFTTIVLENN YTALQNAKY.

200

MATCH WITH FIG. 2C

## MATCH WITH FIG. 2B

201

FGF4	.....	GM.....FI	ALSKNGKTKK	G..NRVSPTM	KV'THEFLPRL.
FGF6	.....	GT.....YI	ALSKYGRVKR	G..SKVSPIM	T'V'THEFLPRI.
FGF5	.....	TEKTGREMYV	ALNKRQGAKR	GCSPRVKPOH	I'STHEFLPRFK
FGF1	.....	.....AEKNWFV	GLKKNGSCKR	G..PRTHYGQ	KAILFLPLPV
FGF2	.....	.....T..SWTV	ALKRTGQYKL	G..SKTGPGQ	KAILFLPMSA
FGF9	HV.	DTGRRYYV	ALNKGDTPRE	G..TRTKRHQ	KFTHEFLPRPV
FGF7	.....	AKW THNGGEM.FV	ALNQKGIPVR	G..KRTKKEQ	KAHFLPMAT
KGF2	.....	FNW QHNGROM.YV	ALANGKGAPEE	G..QKTRRKV	TSAAHFLPMVV
FGF3	TVSSTPGARR	QPSAERLWV	SUNGKGRPRR	G..FKTRRTQ	KSSLFLIPRVL
FGF8	.....	EGWTM AFTRKGGRPRK	G..SKTRQHQ	REVHEMKRLP	

## FIG. 2C

250

FGF4	.....	FI	ALSKNGKTKK	G..NRVSPTM	KV'THEFLPRL.
FGF6	.....	GT.....YI	ALSKYGRVKR	G..SKVSPIM	T'V'THEFLPRI.
FGF5	.....	TEKTGREMYV	ALNKRQGAKR	GCSPRVKPOH	I'STHEFLPRFK
FGF1	.....	.....AEKNWFV	GLKKNGSCKR	G..PRTHYGQ	KAILFLPLPV
FGF2	.....	.....T..SWTV	ALKRTGQYKL	G..SKTGPGQ	KAILFLPMSA
FGF9	HV.	DTGRRYYV	ALNKGDTPRE	G..TRTKRHQ	KFTHEFLPRPV
FGF7	.....	AKW THNGGEM.FV	ALNQKGIPVR	G..KRTKKEQ	KAHFLPMAT
KGF2	.....	FNW QHNGROM.YV	ALANGKGAPEE	G..QKTRRKV	TSAAHFLPMVV
FGF3	TVSSTPGARR	QPSAERLWV	SUNGKGRPRR	G..FKTRRTQ	KSSLFLIPRVL
FGF8	.....	EGWTM AFTRKGGRPRK	G..SKTRQHQ	REVHEMKRLP	

251.

FGF4	.....	.....	.....	.....	.....
FGF6	.....	QSEQPELSEFT	VTVPEKKKNPP	SPIRSKIPLS	APRKNTNSVK
FGF5	.....	SSD.	.....	.....	YRIKFRFG.
FGF1	KS.	.....	.....	.....	.....
FGF2	DPDKVPELYK	DILSQS.	.....	.....	.....
FGF9	T.	.....	.....	.....	.....
FGF7	HS.	.....	.....	.....	.....
KGF2	.....	.....	.....	.....	.....
FGF3	DHRDHHEMVRQ	LQSGGLPREG	KGVQPRRRQ	KQSPDNLEPS	HVQASRLGSQ
FGF8	RGHHTTEQSL	RFEFLNYPPF	TRSLLRGQSQT	WAPEPR	.....

MATCH WITH FIG. 2D

FIG. 2D

MATCH WITH FIG. 2C

301

FGF4	.....
FGF6	.....
FGF5	.....
FGF1	.....
FGF2	.....
FGF9	.....
FGF7	.....
KGF2	.....
FGF3	LEASAH
FGF8	.....

## Figure 3A

GGAATTCCGG	GAAGAGAGGG	AAGAAAACAA	CGGCGACTGG	GCAGCTGCCT	CCACTTCTGA	60
CAACTCCAAA	GGGATATACT	TGTAGAAGTG	GCTCGCAGGC	TGGGGCTCCG	CAGAGAGAGA	120
CCAGAAGGTG	CCAACCGCAG	AGGGGTGCAG	ATATCTCCCC	CTATTCCCCA	CCCCACCTCC	180
CTTGGGTTTT	GTTCACCGTG	CTGTCATCTG	TTTTTCAGAC	CTTTTGGCA	TCTAACATGG	240
TGAAGAAAGG	AGTAAAGAAG	AGAACAAAGT	AACTCCTGGG	GGAGCGAAGA	GCGCTGGTGA	300
CCAACACCAC	CAACGCCACC	ACCAGCTCCT	GCTGCTGCCG	CCACCCACGT	CCACCATTAA	360
CCGGGAGGCT	CCAGAGGCCT	AGGCAGCGGA	TCCGAGAAAG	GAGCGAGGGG	AGTCAGCCGG	420
CTTTTCCGAG	GAGTTATGGA	TGTTGGTGCA	TTCACCTCTG	GCCAGATCCG	CGCCCAGAGG	480
GAGCTAACCA	GCAGGCCACCA	CCTCGAGCTC	TCTCCTTGCC	TTGCATCGGG	TCTTACCCCTT	540
CCAGTATGTT	CCTTCTGATG	AGACAATTC	CAGTGCCGAG	AGTTTCAGTA	CA ATG	595
					Met	
TGG AAA TGG ATA CTG ACA CAT TGT GCC TCA GCC TTT CCC CAC CTG CCC						643
Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu Pro						
GGC TGC TGC TGC TGC TGC TTT TTG TTG CTG TTC TTG GTG TCT TCC GTC						691
Gly Cys Cys Cys Cys Phe Leu Leu Leu Phe Leu Val Ser Ser Val						
CCT GTC ACC TGC CAA GCC CTT GGT CAG GAC ATG GTG TCA CCA GAG GCC						739
Pro Val Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu Ala						
ACC AAC TCT TCT TCC TCC TCC TTC TCC TCT CCT TCC AGC GCG GGA AGG						787
Thr Asn Ser Ser Ser Phe Ser Ser Pro Ser Ser Ala Gly Arg						
CAT GTG CGG AGC TAC AAT CAC CTT CAA GGA GAT GTC CGC TGG AGA AAG						835
His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg Lys						
CTA TTC TCT TTC ACC AAG TAC TTT CTC AAG ATT GAG AAG AAC GGG AAG						883
Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys						
GTC AGC GGG ACC AAG AAG GAG AAC TGC CCG TAC AGC ATC CTG GAG ATA						931
Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile						
ACA TCA GTA GAA ATC GGA GTT GTT GCC GTC AAA GCC ATT AAC AGC AAC						979
Thr Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser Asn						
TAT TAC TTA GCC ATG AAC AAG AAG GGG AAA CTC TAT GGC TCA AAA GAA						1027
Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys Glu						
TTT AAC AAT GAC TGT AAG CTC AAG GAG AGG ATA GAG GAA AAT GGA TAC						1075
Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly Tyr						

**Figure 3B**

AAT ACC TAT GCA TCA TTT AAC TGG CAG CAT AAT GGG AGG CAA ATG TAT -	1123
Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr	
 GTG GCA TTG AAT GGA AAA GGA GCT CCA AGG AGA GGA CAG AAA ACA CGA Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg	1171
 AGG AAA AAC ACC TCT GCT CAC TTT CTT CCA ATG GTG GTA CAC TCA Arg Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser	1216
 TAGAGGAAGG CAACGTTGT GGATGCAGTA AAACCAATGG CTCTTTGCC AAGAACATGTG	1276
GATATTCTTC ATGAAGACAG TAGATTGAAA GGCAAGACA CGTTCAGAT GTCTGCTTGC	1336
TTAAAAGAAA GCCAGCCTTT GAAGGTTTTT GTATTCACTG CTGACATATG ATGTTCTTT	1396
AATTAGTTCT GTGTCATGTC TTATAATCAA GATATAGGCA GATCGAATGG GATAGAACIT	1456
ATTCCCAAGT GAAAAACATT GTGGCTGGGT TTTTGTTGT TGTTGTCAAG TTTTGTTTT	1516
TAAACCTCTG AGATAGAAC TAAAGGACAT AGAACAACT GTGAAAGAA CGATCTCGG	1576
GAAAGTTATT TATGGAATAC GAACTCATAT CAAAGACTTC ATTGCTCATT CAAGCCTAAT	1636
GAATCAATGA ACAGTAATAC GTGCAAGCAT TTACTGGAAA GCACCTGGGT CATATCATAT	1696
GCACAACCAA AGGAGTTCTG GATGTGGTCT CATGGAATAA TTGAATAGAA TTTAAAATA	1756
TAAACATGTT AGTGTGAAAC TGTTCTAACAA ATACAAATAG TATGGTATGC TTGTGCATT	1816
TGCCTTCATC CCTTTCTATT TCTTTCTAAG TTATTTATT AATAGGATGT TAAATATCTT	1876
TTGGGGTTTT AAAGAGTATC TCAGCAGCTG TCTTCTGATT TATCTTTCT TTTTATTCAAG	1936
CACACCACAT GCATGTTCAC GACAAAGTGT TTTAAAAC TGGCGAACAC TTCAAAAATA	1996
GGAGTTGGGA TTAGGGAAGC AGTATGAGTG CCCGTGTGCT ATCAGTTGAC TTAATTGCA	2056
CTTCTGCAGT AATAACCATC AACAAATAAT ATGGCAATGC TGTGCCATGG CTTGAGTGAG	2116
AGATGTCTGC TATCATTTGA AAACATATAT TACTCTCGAG GCTTCCTGTC TCAAGAAAATA	2176
GACCAGAAGG CCAAAATTCTT CTCTTCAAT ACATCAGTTT GCCTCCAAGA ATATACTAAA	2236
AAAAGGAAAA TTAATTGCTA AATACATTAA AATAGCCTAG CCTCATTATT TACTCATGAT	2296
TTCTTGCCAA ATGTCATGGC GGTAAAGAGG CTGTCCACAT CTCTAAAAC CCTCTGTAAA	2356
TTCCACATAA TGCATCTTC CCAAAGGAAC TATAAAGAAT TTGGTATGAA GCGCAACTCT	2416

## Figure 3C

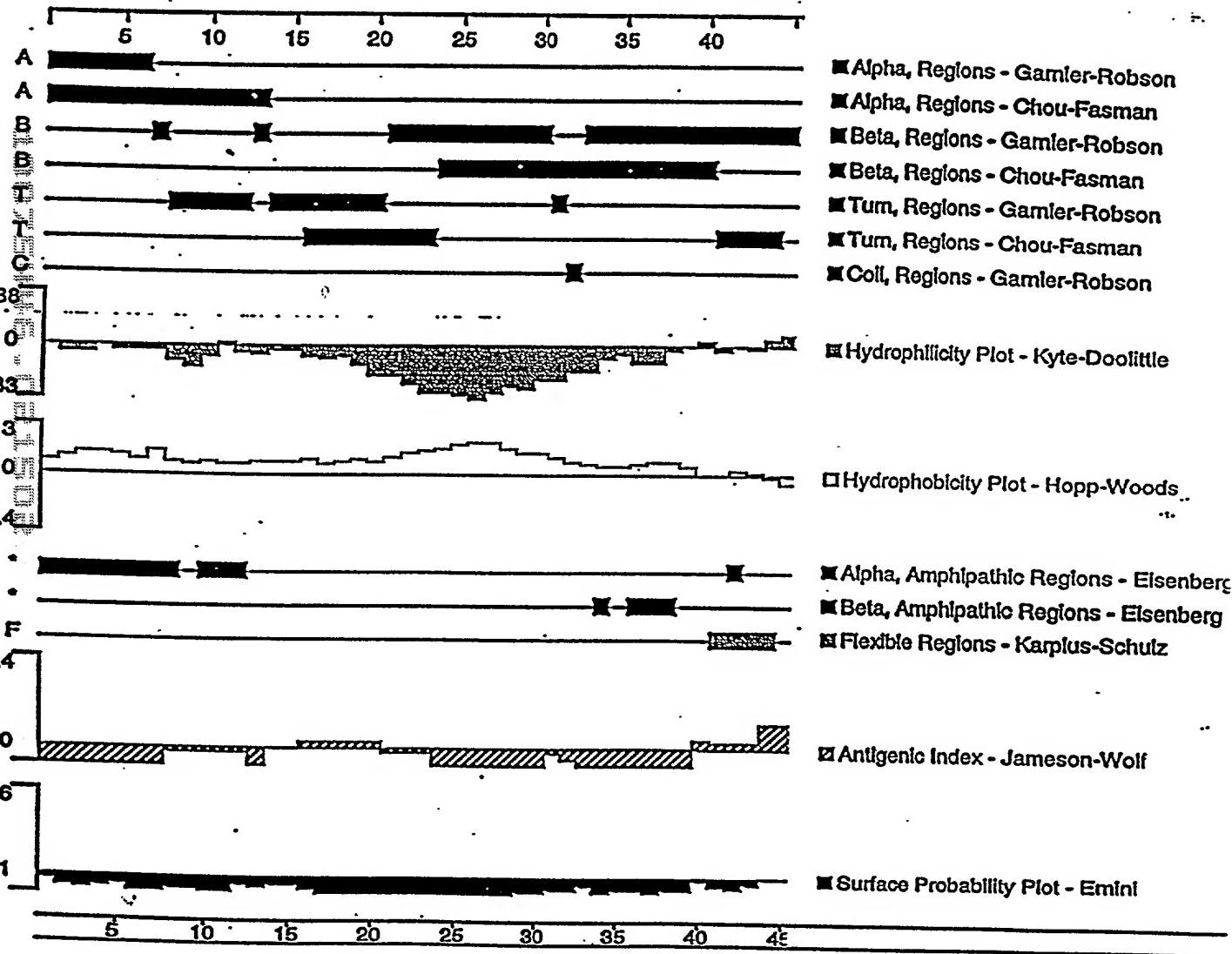
CCCAGGGGCT TAAACTGAGC AAATCAAATA TATACTGGTA TATGTGTAAC CATATACAAA	2476
AACCTGTTCT AGCTGTATGA TCTAGTCTTT ACAAAACCAA ATAAAACCTTG TTTTCTGTAA	2536
ATTTAAAGAG CTTTACAAGG TTCCATAATG TAACCATATC AAAATTCATT TTGTTAGAGC	2596
ACGTATAGAA AAGAGTACAT AAGAGTTTAC CAATCATCAT CACATIGTAT TCCACTAAAT	2656
AAATACATAA GCCTTATTG CAGTGTCTGT AGTGATTTA AAAATGTAGA AAAATACAT	2716
TTGTTCTAAA TACTTTAAG CAATAACTAT AATAGTATAT TGATGCTGCA GTTTTATCTT	2776
CATATTCTT GTTTGAAAA AGCATTATG TGTTTGGACA CAGTATTTG GTACAAAAAA	2836
AAAGACTCAC TAAATGTGTC TTACTAAAGT TTAACCTTG GAAATGCTGG CGTTCTGTGA	2896
TTCTCCAACA AACTTATTG TGTCAACT TAACCAGCAC TTCCAGTTAA TCTGTTATTT	2956
TTAAAAATTG CTTTATTAAG AAATTTTTG TATAATCCA TAAAAGGTCA TATTTTCCC	3016
ATTCTCAAA AAAACTGTAT TTCAGAAGAA ACACATTGA GGCACGTCT TTTGGCTTAT	3076
AGTTTAAATT GCATTTCATC ATACTTTGCT TCCAACTTGC TTTTGGCAA ATGAGATTAT	3136
AAAAATGTTT AATTTTTG TGTTGAAATCT GGATGTTAAA ATTTAATTGG TAACTCAGTC	3196
TGTGAGCTAT AATGTAATGC ATTCCATATCC AAACTAGGTA TCCTTTTTTC CTTTATGTTG	3256
AAATAATAAT GGCACCTGAC ACATAGACAT AGACCACCCA CAACTAAAT TAAATGTTG	3316
GTAAGACAAA TACACATTGG ATGACCACAG TAACAGCAA CAGGGCACAA ACTGGATTCT	3376
TATTTCACAT AGACATTTAG ATTACTAAAG AGGGCTATGT GTAAACAGTC ATCATTATAG	3436
TACTCAAGAC ACTAAAACAG CTTCTAGCCA AATATATTAA AGCTTGCAGA GGCCAAAAAT	3496
AGAAAACATC TCCCCGTCT CTCCACATT TCCCTCACAG AAAGACAAAA AACCTGCCGT	3556
GTGCAGTAGC TCACACCTGT AATCCCAGCA GTTTGGGAGA CTGTGGGAAG ATGGCTTGAG	3616
TCCAGGAGTT CTAGACAGGC CTGAGAAACC TAGTGAGACA TCCTTCTCTT AAACAAAACA	3676
AAACAAAACA AATGTAGCCA TGCCTGGTGG CATATACCTG TGGTCCCAAC TACTCAGGAG	3736
GCTGAAACGG AAGGATCTCT TGGGCCAG GAGTTTGAGG CTGCAGTGAG CTATAATCTT	3796
GCCATTGCAC TCCAGCCTGG GTGAAAAAGA GCCAGAAAGA AAGGAAAGAG AGAAAAGAGA	3856
AAAGAAAGAG AGAAAAGACA GAAAGACAGG AAGGAAGGAA GGAAGGAAGG AAGGAAGGAA	3916
GGAAGCAAGG AAAGAAGGAA GGAAGGAAAG AAGGGAGGGA AGGAAGGAGA GAGAAAGAAA	3976
GATTGTTGG TAAGGAGTAA TGACATTCTC TTGCATTAA AAGTGGCATA TTTGCTTGAA	4036

## Figure 3D

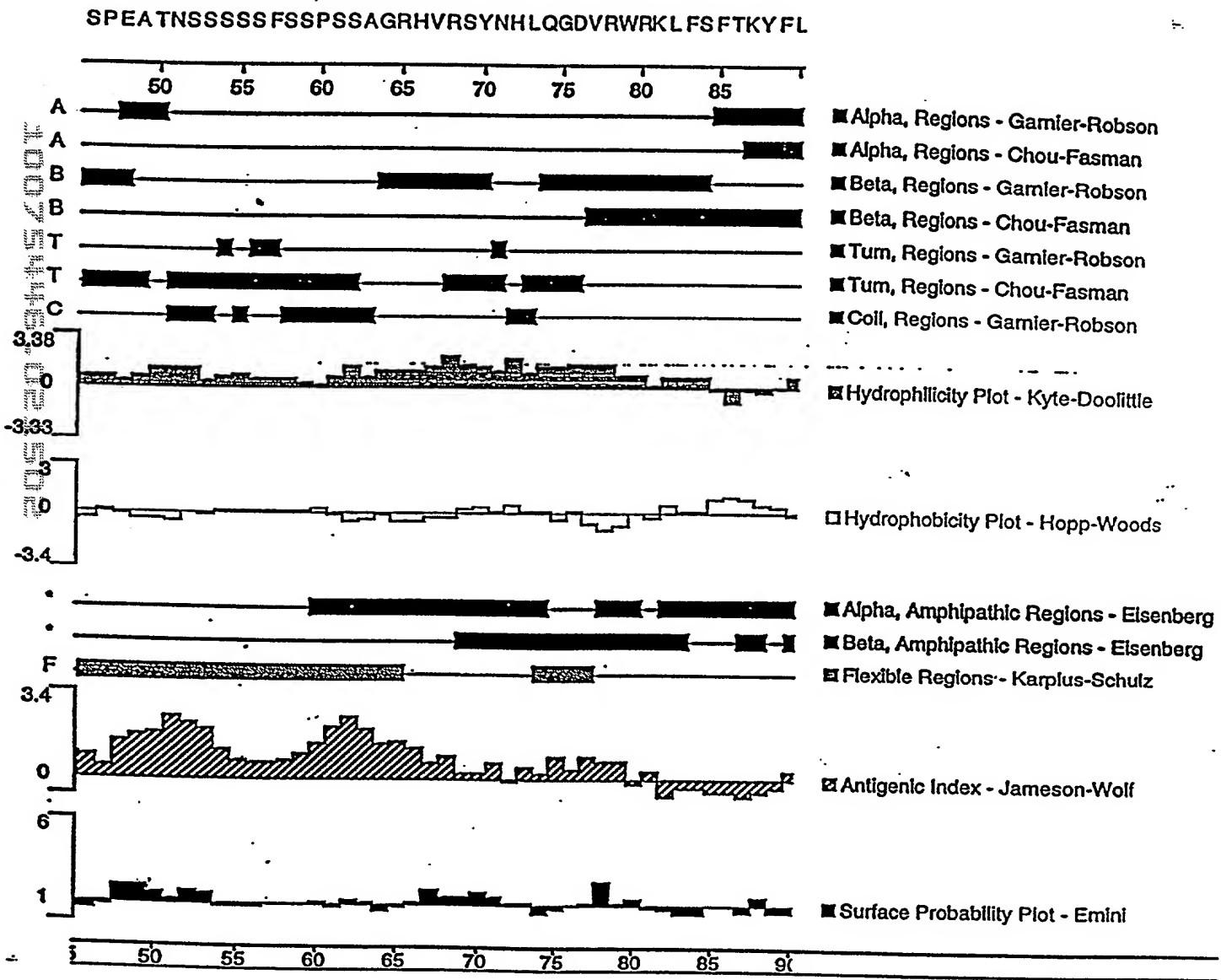
ATGGAAATAG AATTCTGGTC CCTTTTGCAA CTACTGAAGA AAAAAAAAAG CAGTTTCAGC	4096
CCTGAATGTT GTAGATTTGA AAAAAAAA AAAAAAACTC GAGGGGGGCG CCGTACCCAA	4156
TTCGCCCTAT AGTGAGTCGT A	4177

## Figure 4A

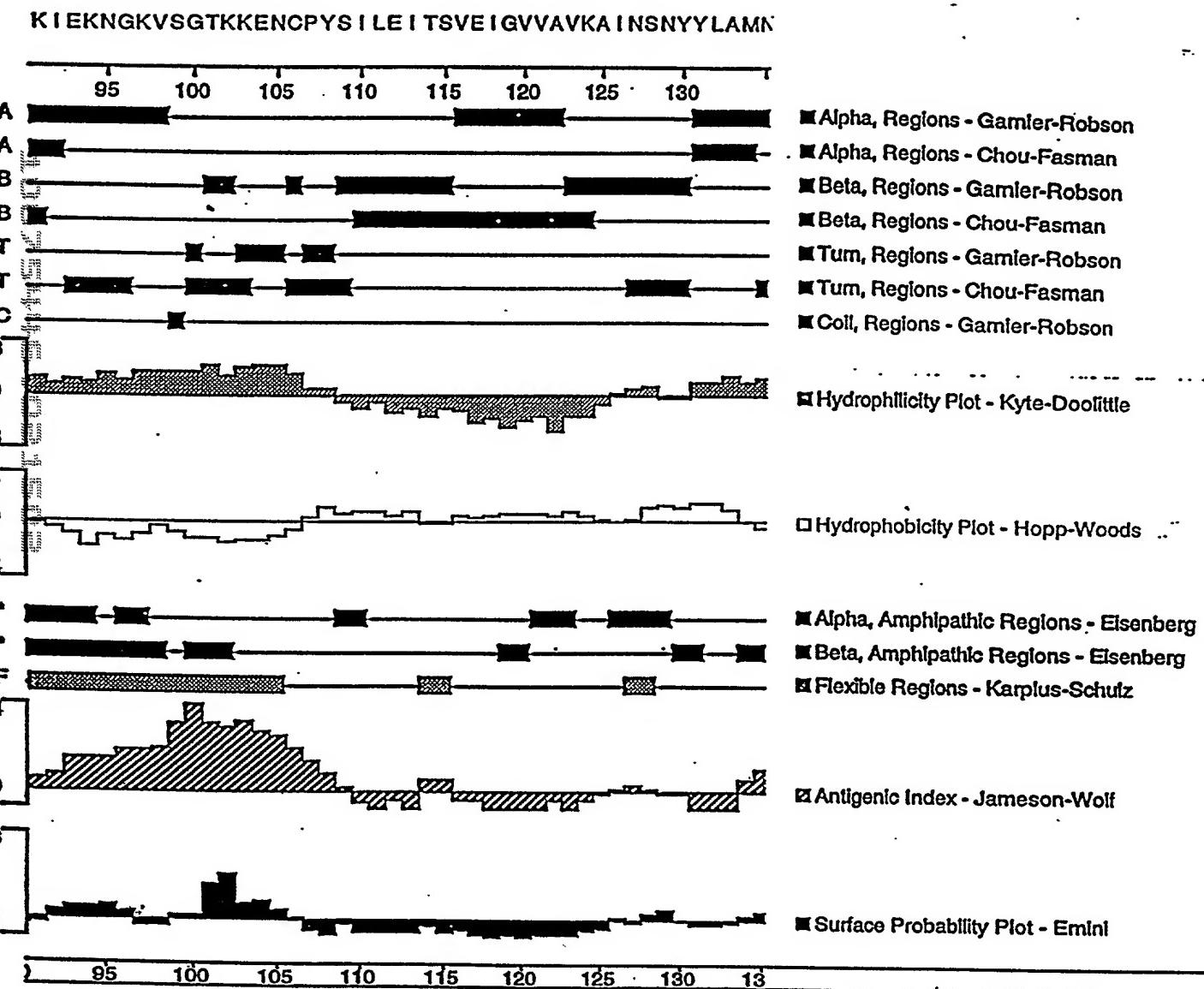
MWKWI LTHCASA~~F~~PHLPGCCCCFLLLFLVSSVPVTCQALGQDMV



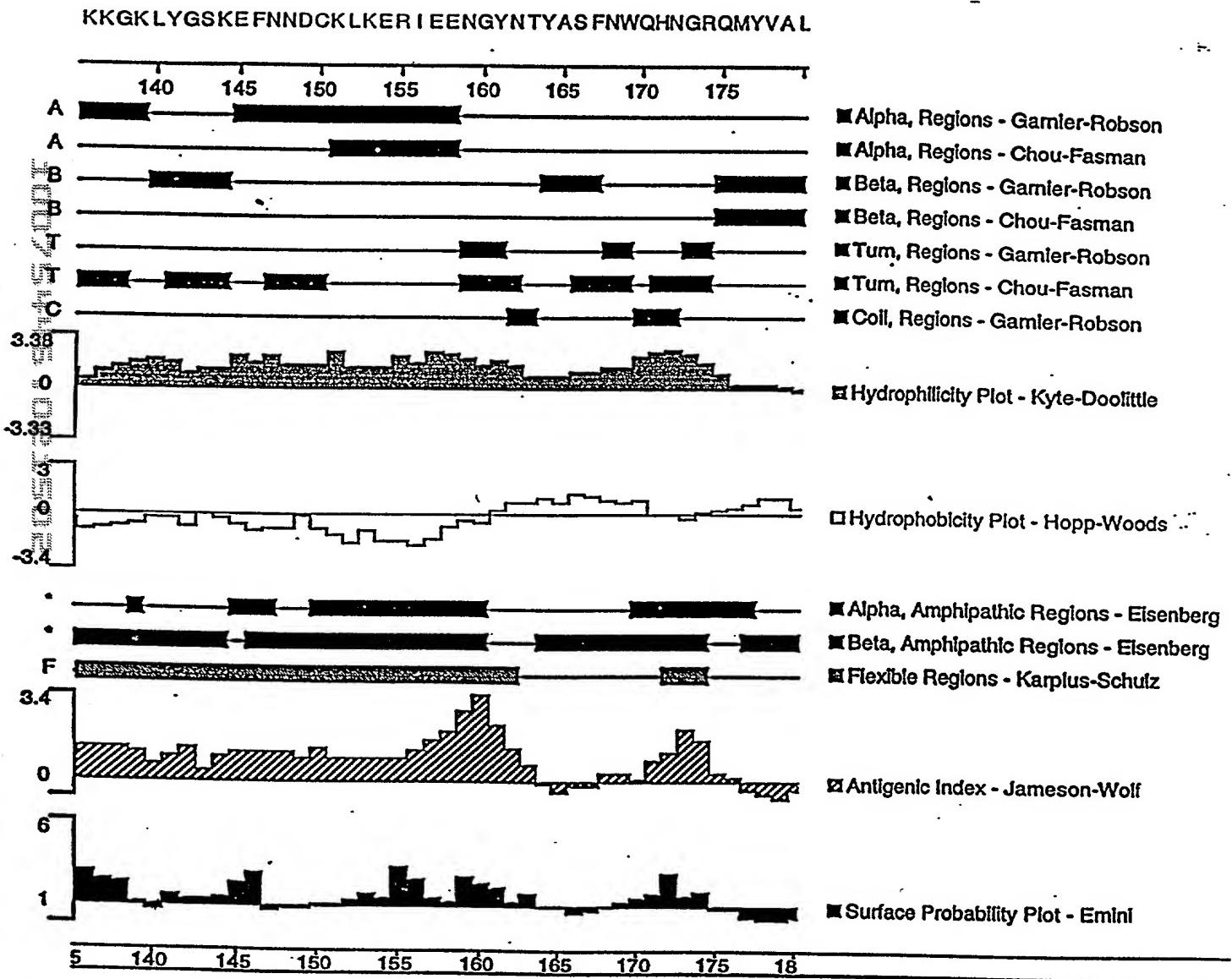
## Figure 4B



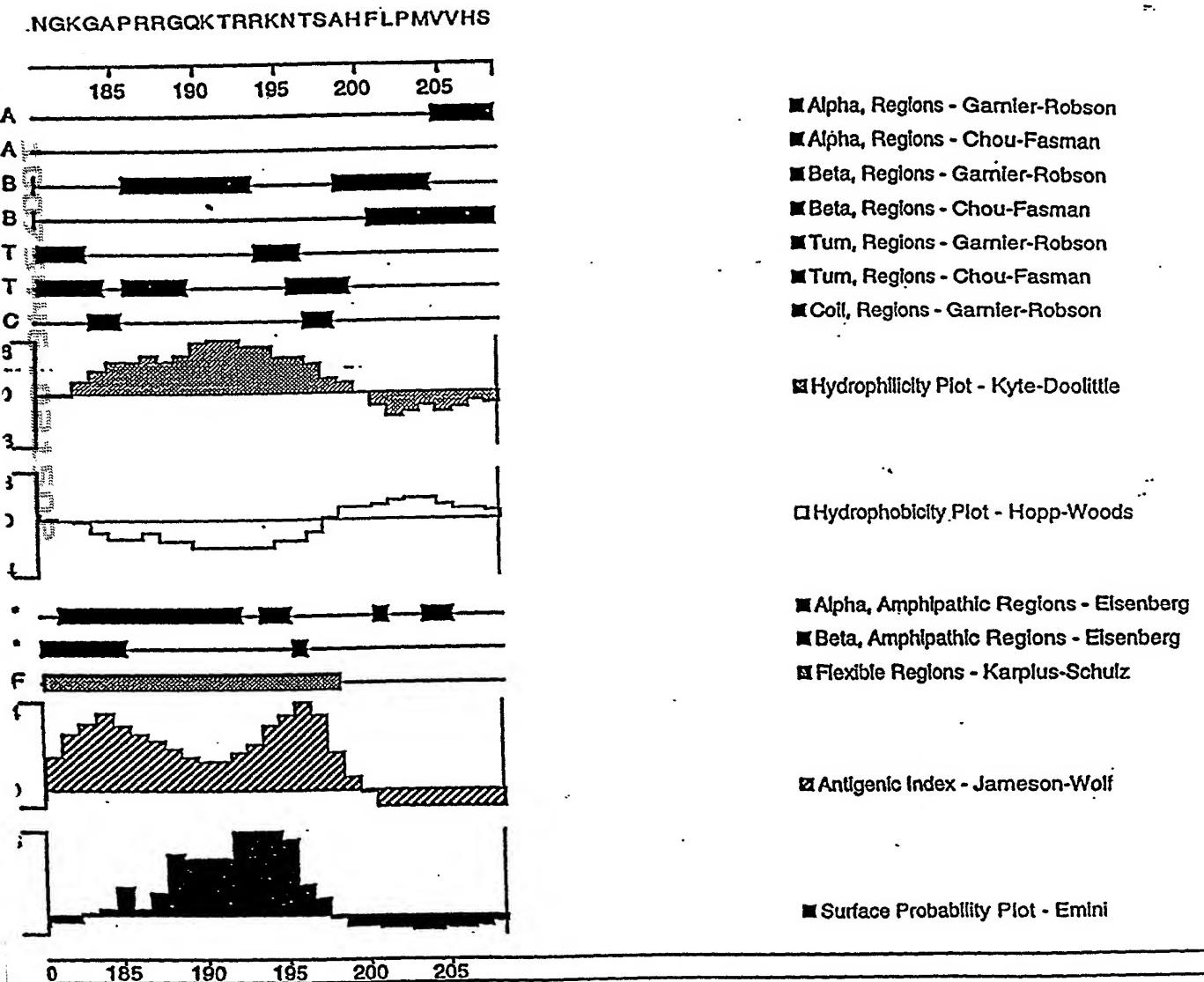
## Figure 4C



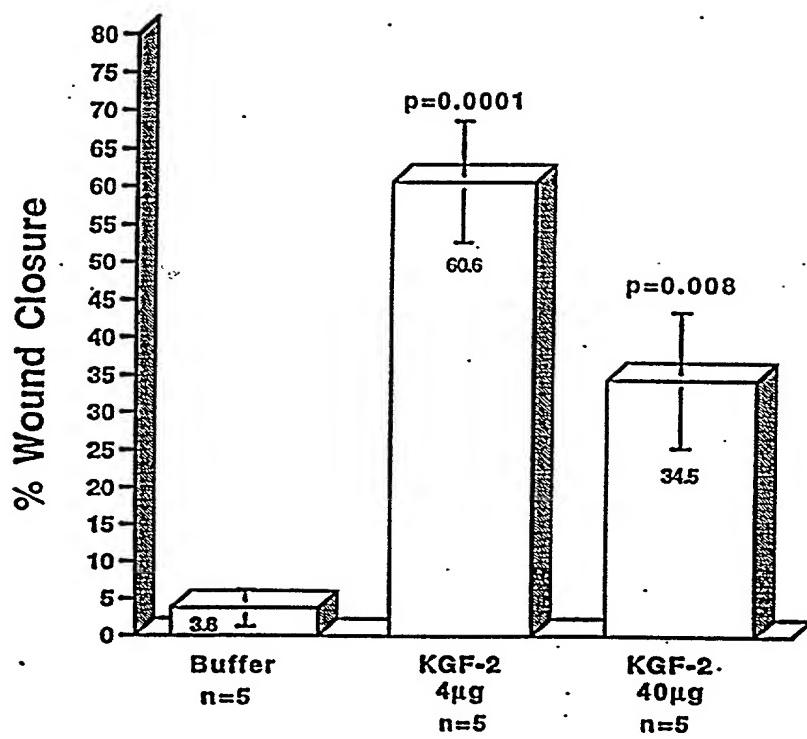
## Figure 4D



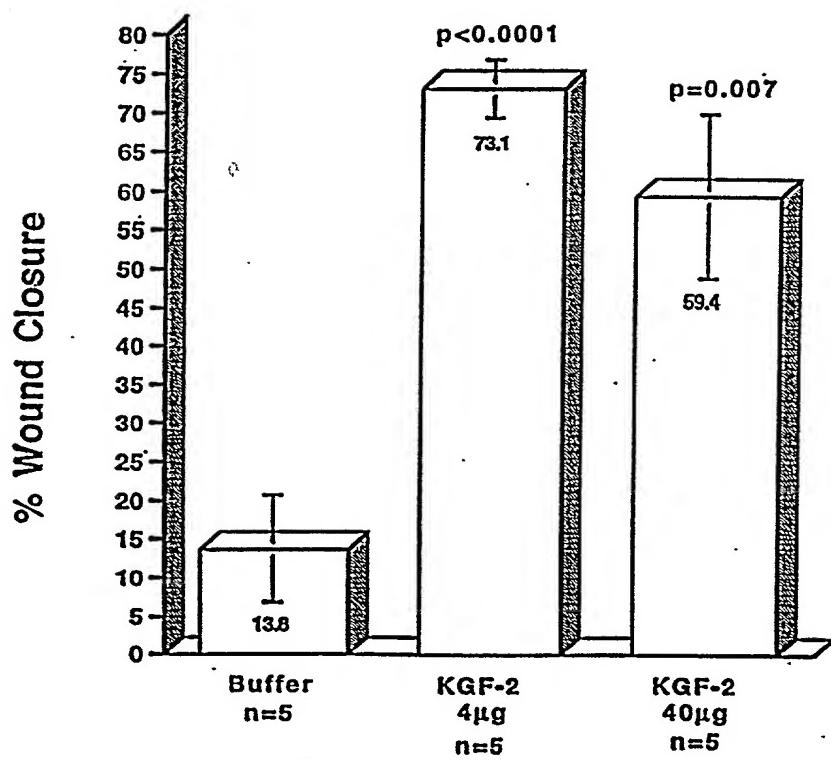
## Figure 4E



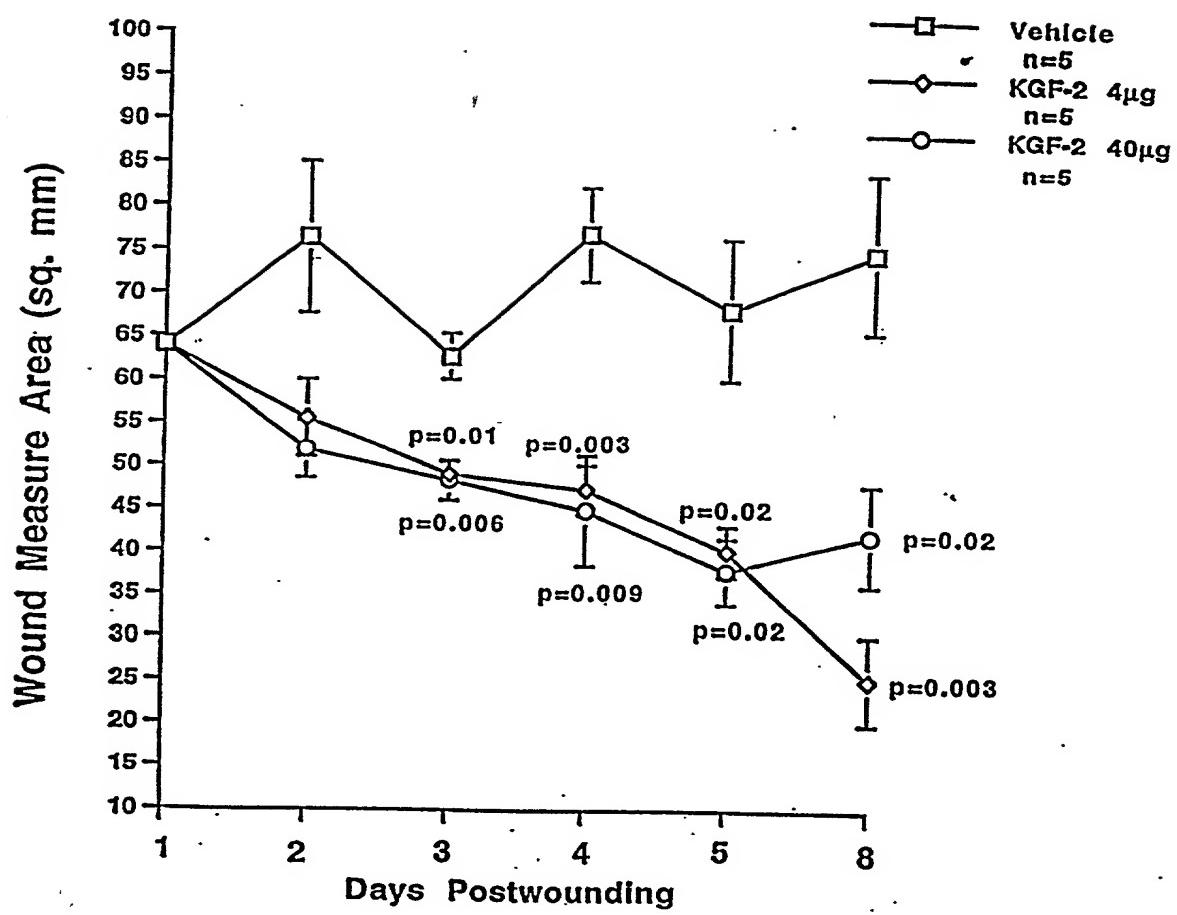
**Figure 5**



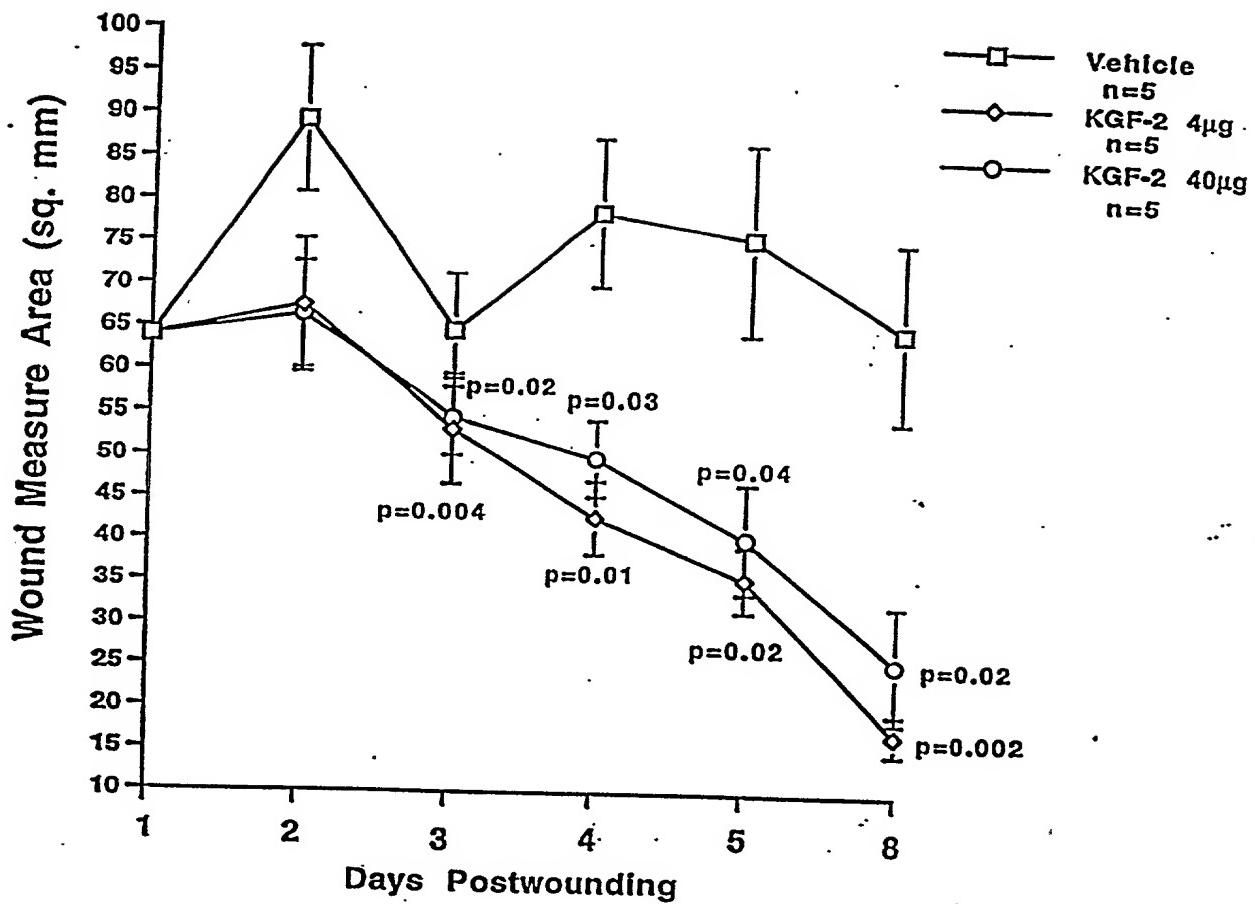
**Figure 6**



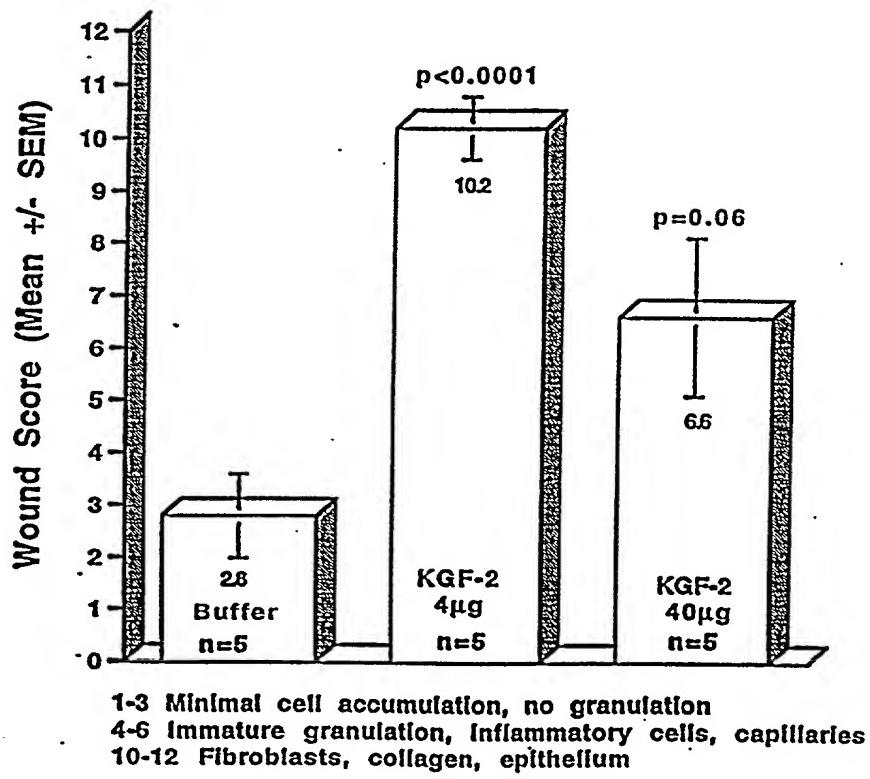
**Figure 7**



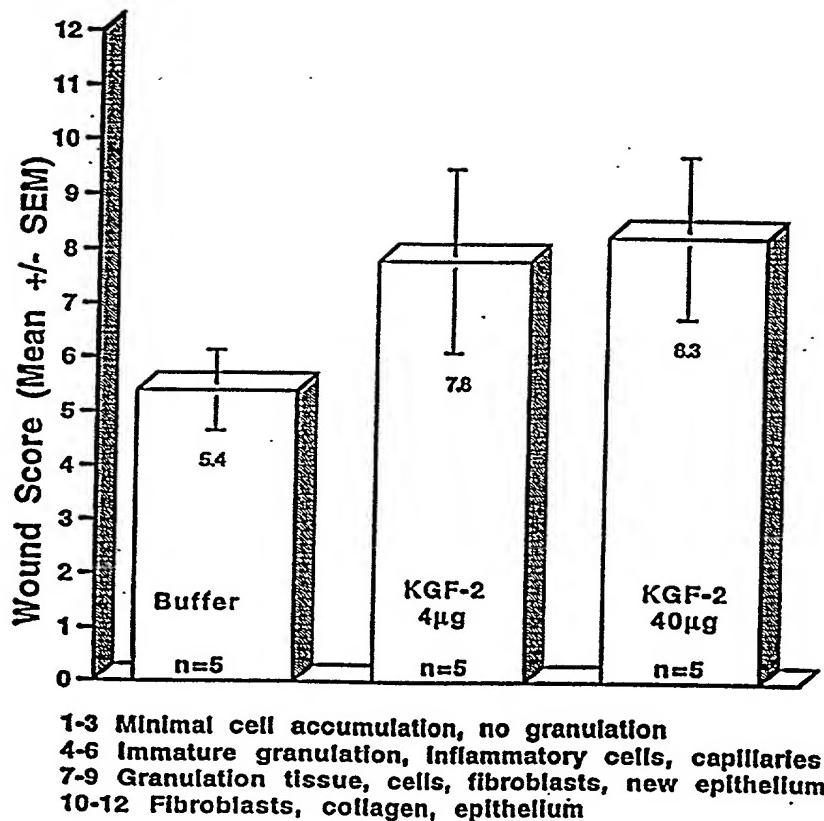
**Figure 8**



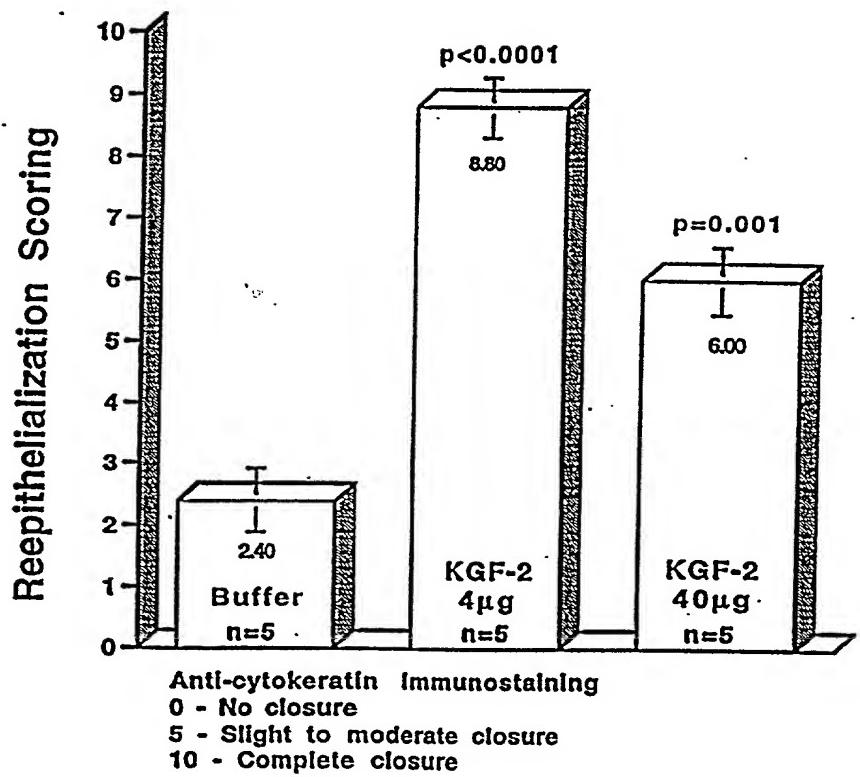
**Figure 9**



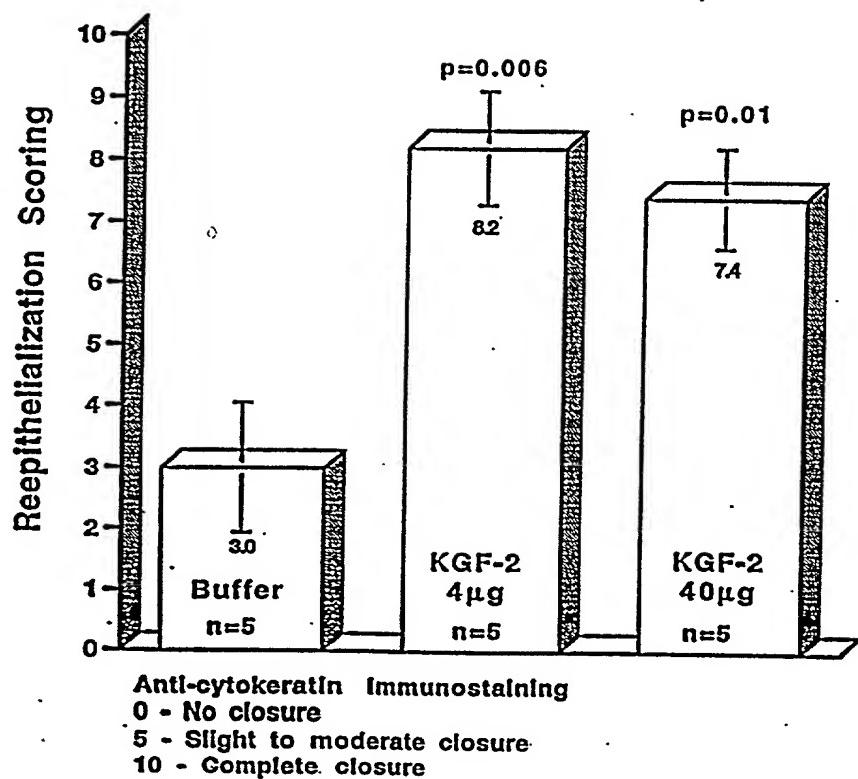
**Figure 10**



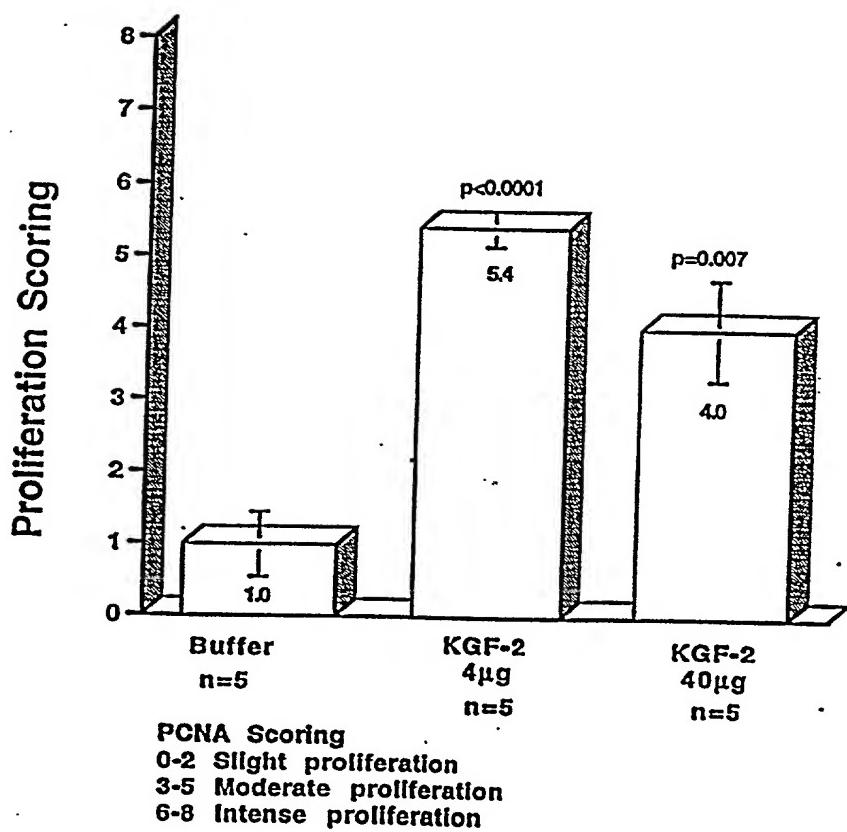
**Figure 11**



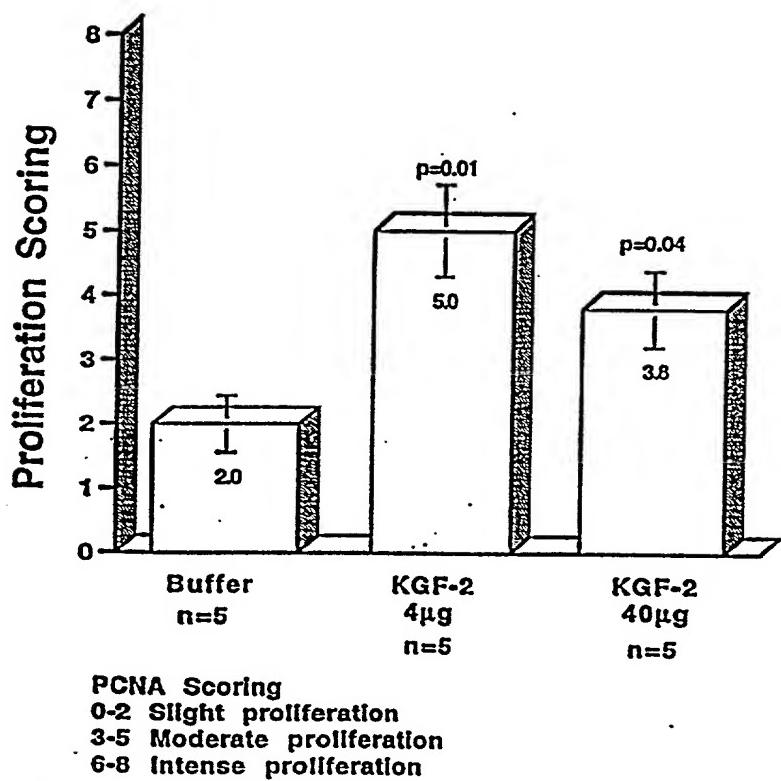
**Figure 12**



**Figure 13**



**Figure 14**



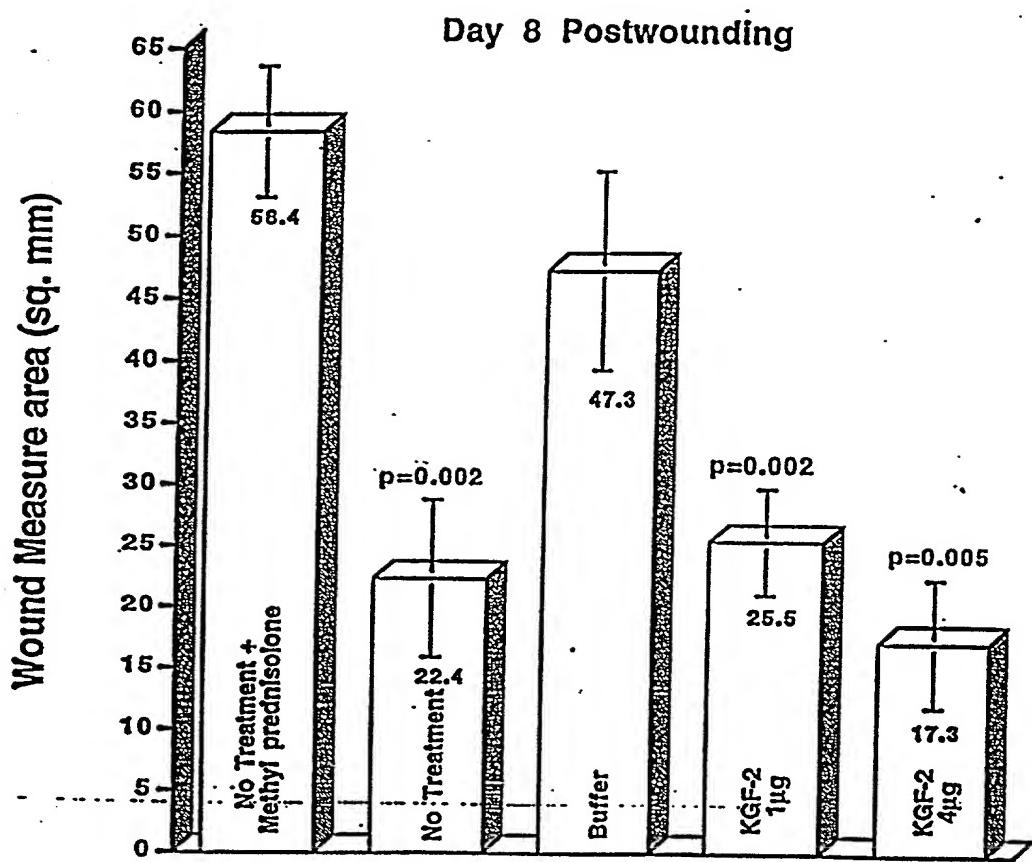
**Figure 15**

ATGAGAGGATGCACCATCACCATCAGGATCTGCCAGGCCTGGGGTC  
AGGACATGGTTCTCGGAAGCTACCAACTCTTCTCTTCTTCTTCTTCC  
CGTCTTCGCTGGTCGTCAOGTTOGTCTACAACCACCTGCAGGGGACGITC  
GTGGCGTAAACGTCTCTTCACCAAAATACTCTGAAAATCGAAAAA  
AACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGOOOGTACAGCATCTG  
GAGATAACATCAGTAGAAATGGAGTGTGGCGTCAAAGCCATTAAACAG  
CAACTATTACTTAGCCATGAACAAGAAGGGGAAACCTATGGCTAAAAG  
AATTTAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAATGGAT  
ACAATACCTATGCATTTAACTGGCAGCATAATGGGAGGCAAATGTAT  
GTGGCATTGAaTGGAAAAGGAGCTCCAAGGAGAGCACAGAAAACACGAAG  
GAAAAAACAOCTGCTCACTTCTTCAATGGTGGTACACTCATAG

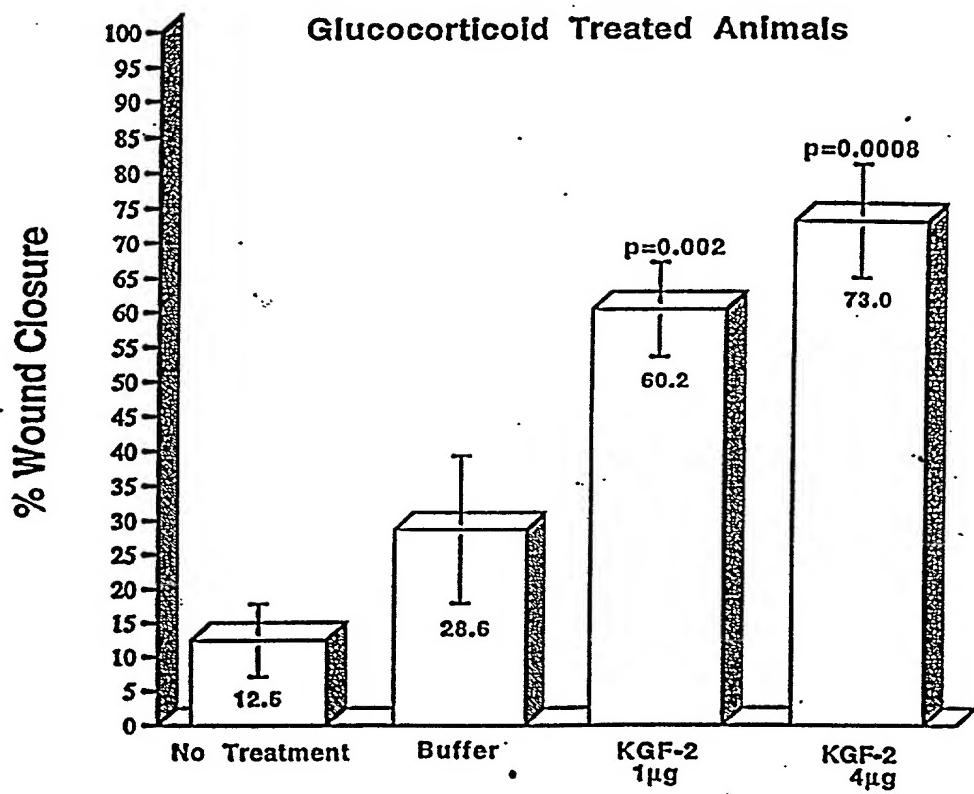
MRGSHHHHHHGSCQALGQDMVSPEATNSSSSPSSAGRHVRSYNHLQGD  
VRWRKLRSFTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAJNSN  
YYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVA  
LNGKGAPRRGQKTRRKNTSAHFLPMVVHS

kgf-2 synthetic cys37 Bam HI  
AAAGGATCTGCCAGGCTGGGTCAGGACATG

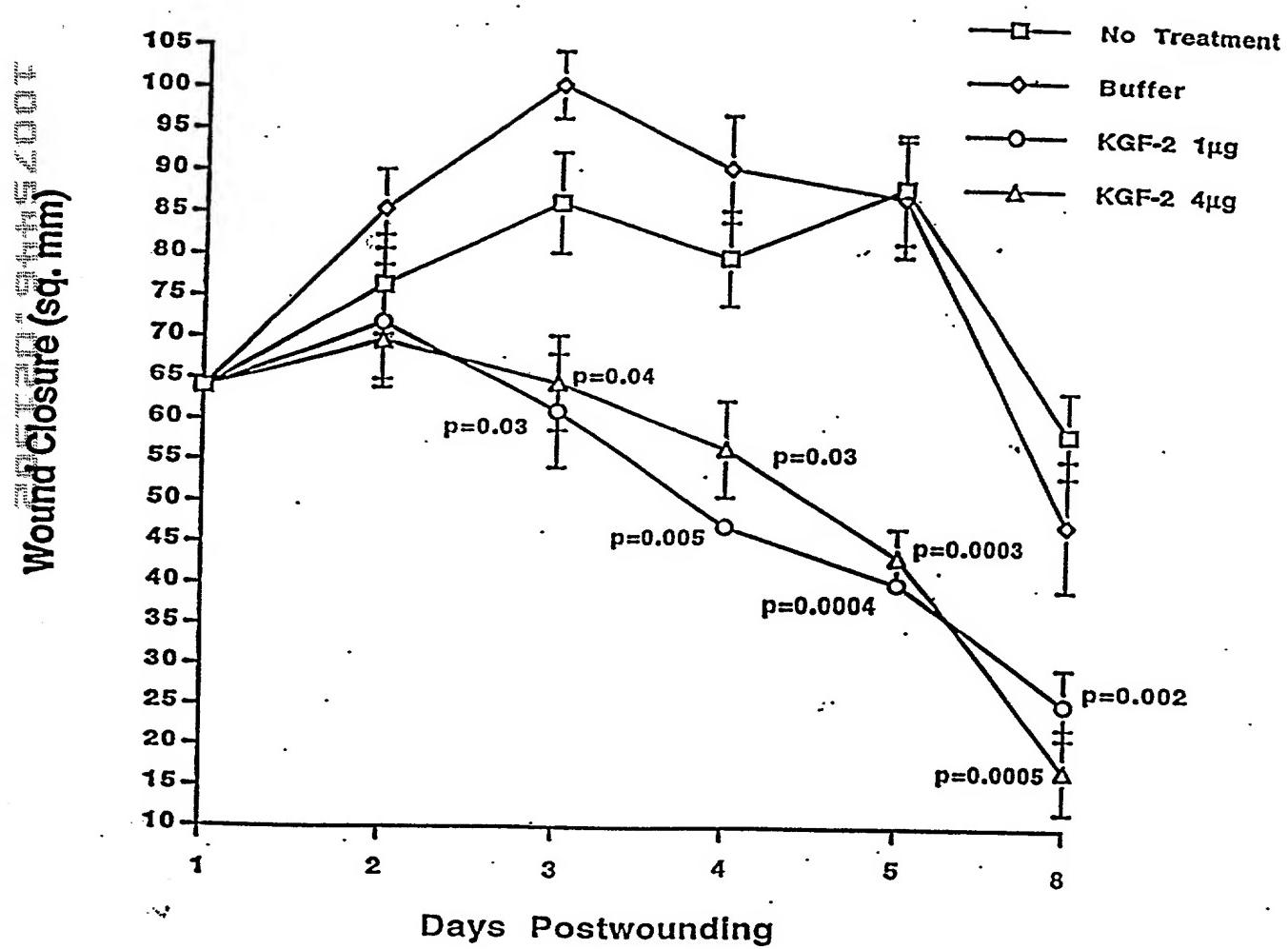
**Figure 16**



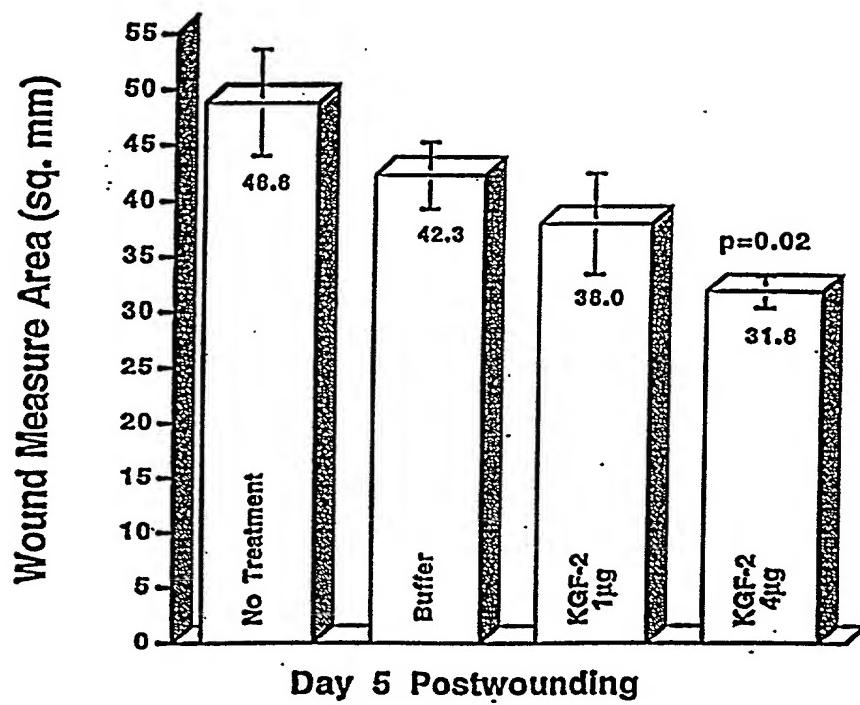
**Figure 17**



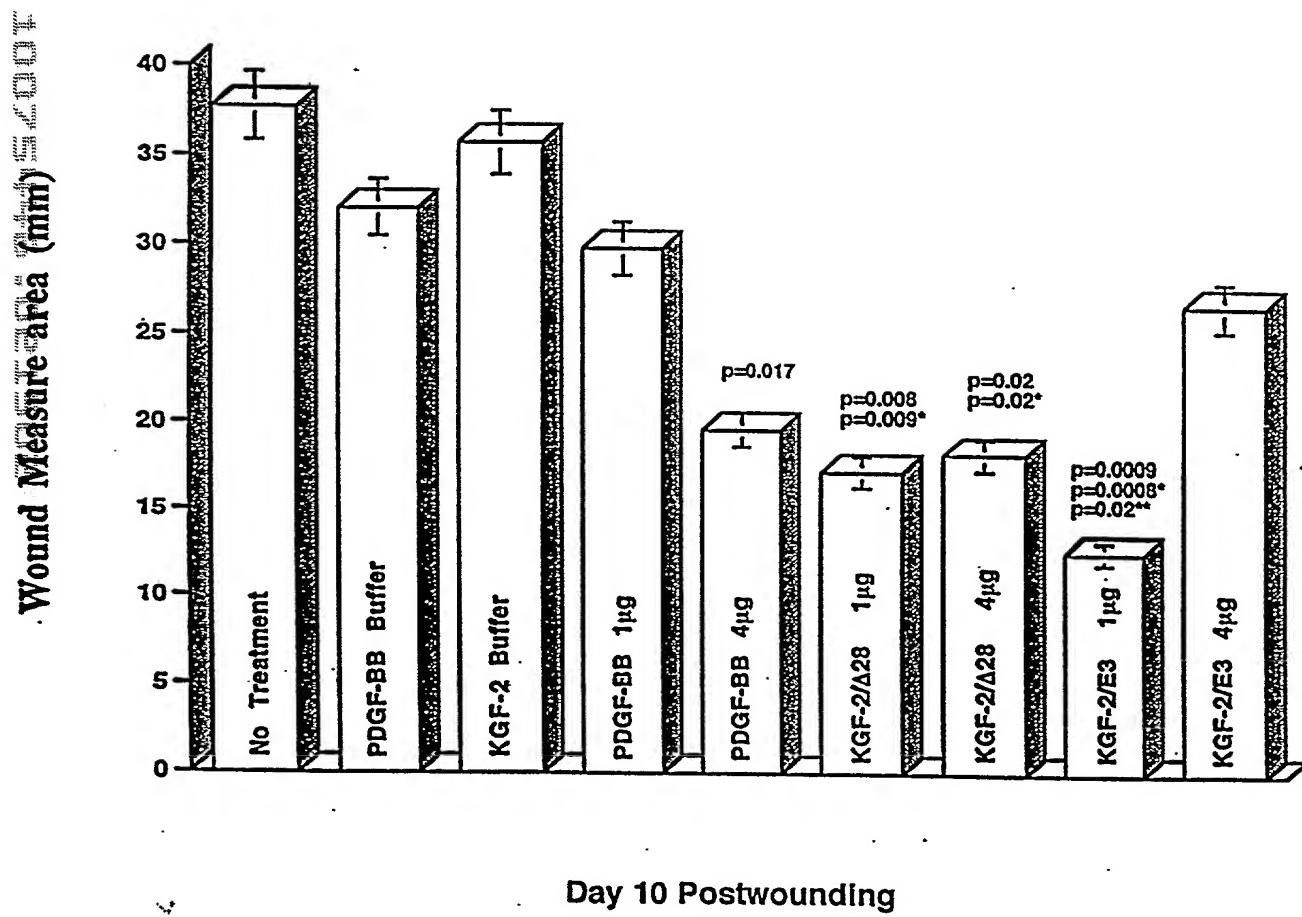
**Figure 18**



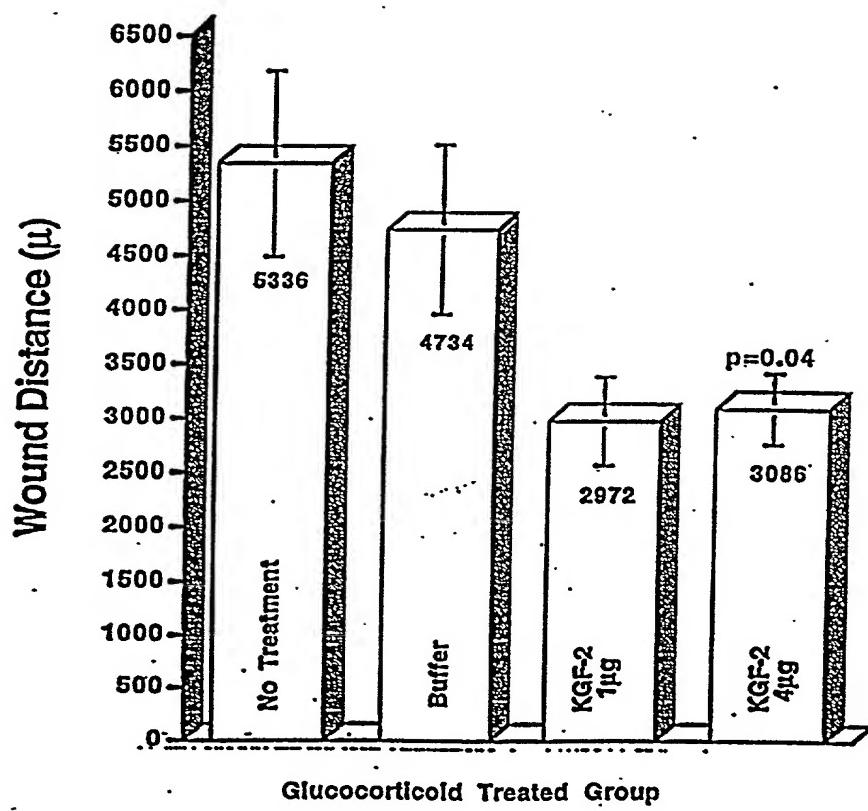
**Figure 19A**



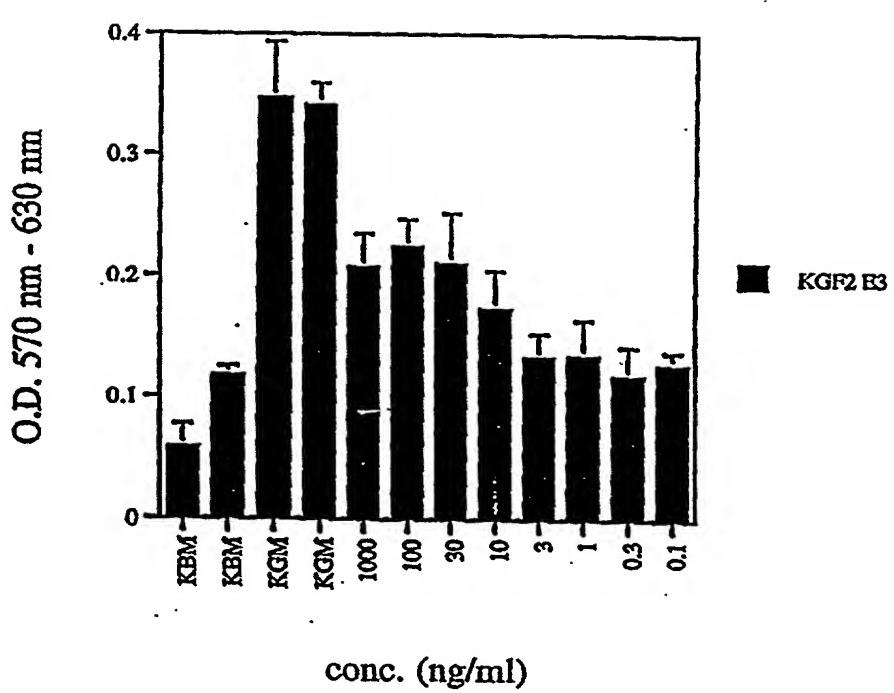
**Figure 19B**



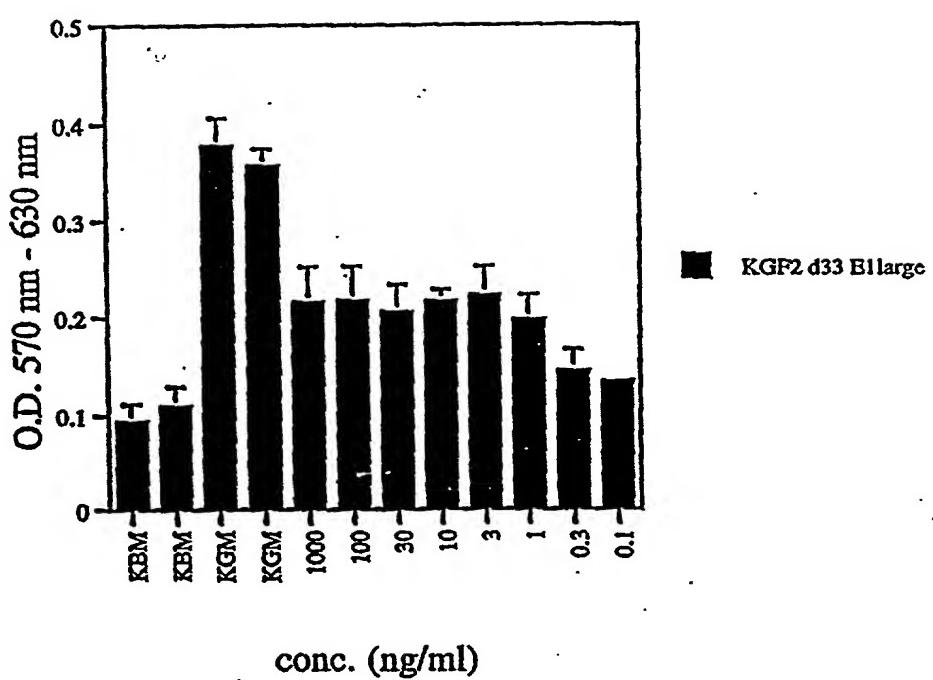
**Figure 20**



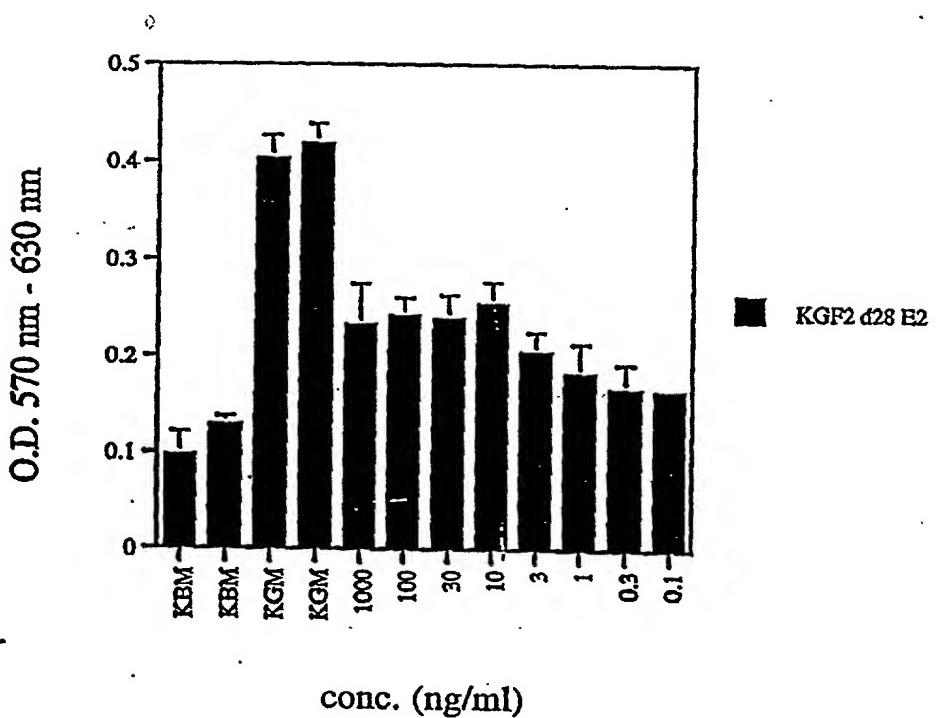
**Figure 21A**



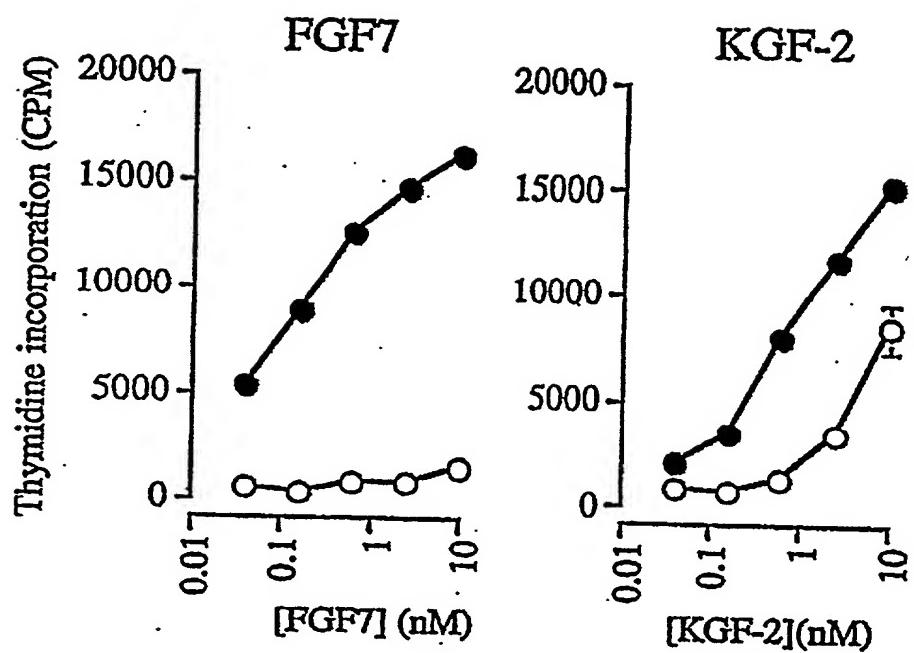
**Figure 21B**



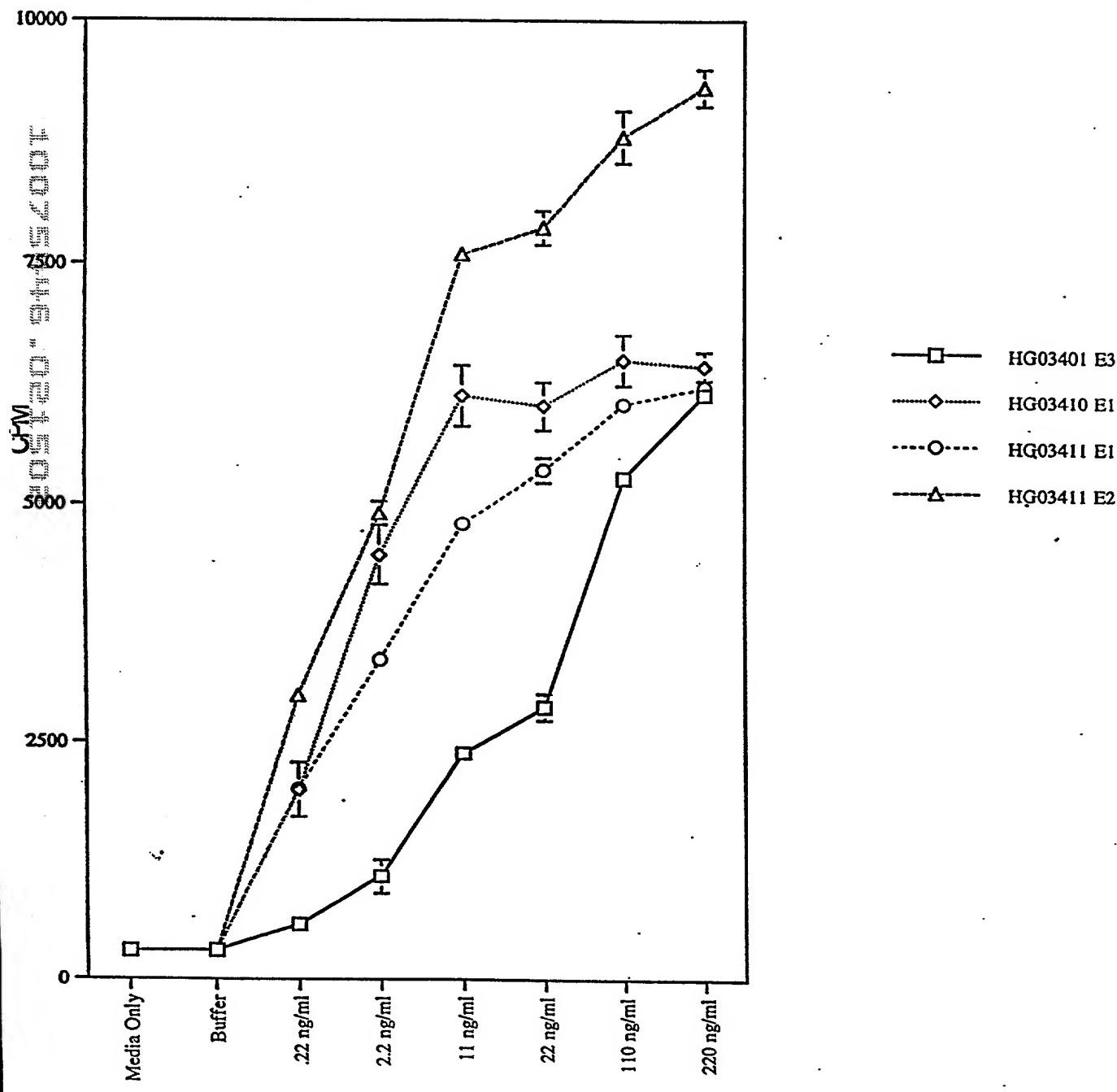
**Figure 21C**



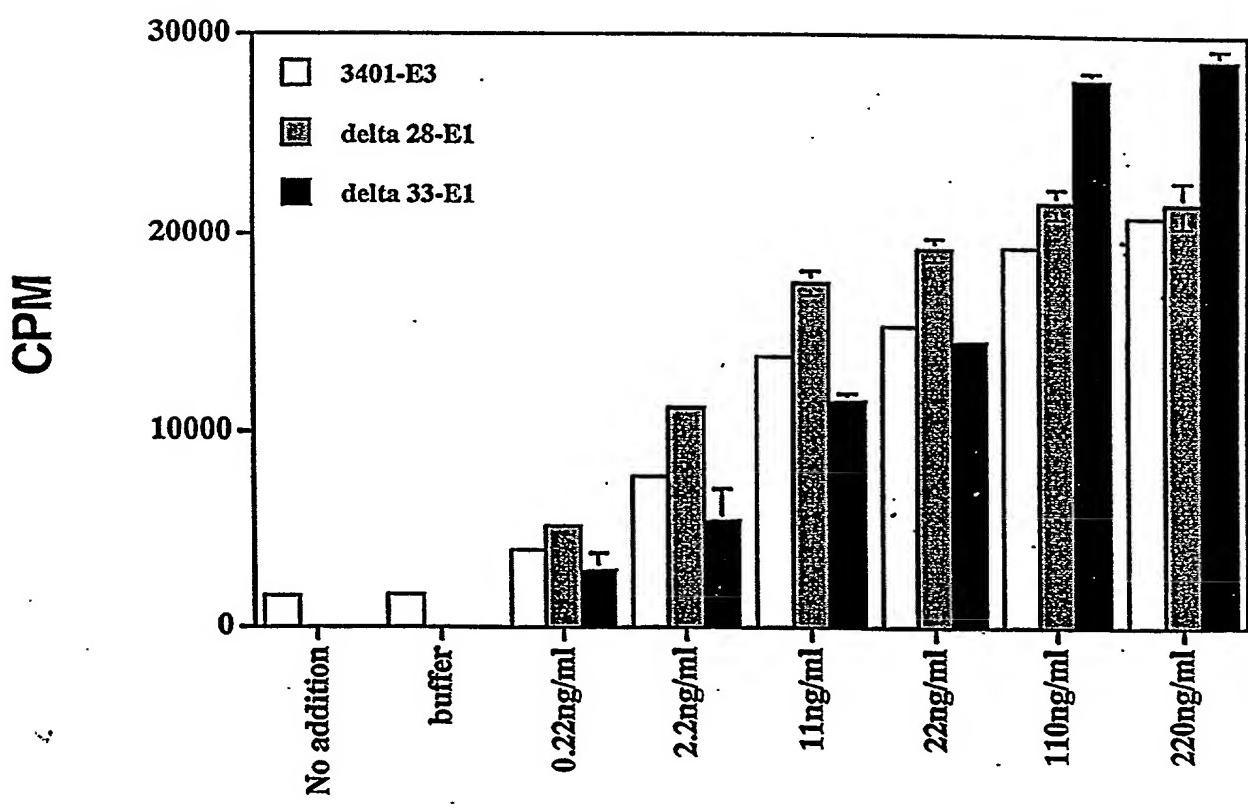
**Figure 22A**



## Figure 22B



**Figure 22C**



## Figure 23

ATGTGGAAATGGATACTGACCCACTGCGCTCTGCTTCCGCACCTGCCGGTTGCTGC 60  
Met Trp Lys Trp Ile Leu Thr His Cys Ala Ser Ala Phe Pro His Leu Pro Gly Cys Cys

TGCTGCTGCTTCCTGCTGCTGTTCTGGTTCTCTGTTCCGGTTACCTGCCAGGCTCTG 120  
Cys Cys Cys Phe Leu Leu Phe Leu Val Ser Ser Val Pro Val Thr Cys Gln Ala Leu

GGTCAGGACATGGTTCTCCGGAAGCTACCAACTCTTCCCTTCCTCTTCTCTCCCCG 180  
Gly Gln Asp Met Val Ser Pro Glu Ala Thr Asn Ser Ser Ser Ser Phe Ser Ser Pro

ACTTCCGCTGGTCGTACGTTGTTCTTACAACCACCTGCAGGGTGACGTTGCGT 240  
Thr Ser Ala Gly Arg His Val Arg Ser Tyr Asn His Leu Gln Gly Asp Val Arg Trp Arg

AAACTGTTCTTTCACCAAATACTTCCTGAAAATCGAAAAAAACGGTAAAGTTCTGGG 300  
Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys Asn Gly Lys Val Ser Gly

ACCAAGAAGGAGAACTGCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTT 360  
Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile Thr Ser Val Glu Ile Gly Val

GTTGCCGTCAAAGCCATTAACAGCAACTATTACTTAGCCATGAACAAAGAAGGGGAAACTC 420  
Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr Leu Ala Met Asn Lys Lys Gly Lys Leu

TATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAATGGA 480  
Tyr Gly Ser Lys Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu Arg Ile Glu Glu Asn Gly

TACAATACCTATGCATCATTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTG 540  
Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg Gln Met Tyr Val Ala Leu

AATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAACACCTCTGCTCAC 600  
Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg Lys Asn Thr Ser Ala His

TTTCTCCAATGGTGGTACACTCATAG 627  
Phe Leu Pro Met Val Val His Ser →

## Figure 24A

ATGACCTGCCAGGCTCTGGGTCAAGGACATGGTTCTCCGGAAGCTACCAACTCTTCCCTCT 60  
Met Thr Cys Gln Ala Leu Gly Gln Asp Met Val Ser Pro Glu Ala Thr Asn Ser Ser Ser  
TCCTCTTCTCTTCCCCGTCTCCGCTGGCGTCACGTTCTTACAACCACCTGCAG 120  
Ser Ser Phe Ser Ser Pro Ser Ala Gly Arg His Val Arg Ser Tyr Asn His Leu Gln  
GGTGACGTTCGTTGGCGTAAACTGTTCTTTACCAAATACTTCCTGAAAATCGAAAAAA 180  
Gly Asp Val Arg Trp Arg Lys Leu Phe Ser Phe Thr Lys Tyr Phe Leu Lys Ile Glu Lys  
AACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCGTACAGCATCCTGGAGATAACA 240  
Asn Gly Lys Val Ser Gly Thr Lys Lys Glu Asn Cys Pro Tyr Ser Ile Leu Glu Ile Thr  
TCAGTAGAAATCGGAGTTGGCTCAAAGCCATTAACAGCAACTATTACTGCCATG 300  
Ser Val Glu Ile Gly Val Val Ala Val Lys Ala Ile Asn Ser Asn Tyr Tyr Leu Ala Met  
AACAAAGAAGGGAAACTCTATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAG 360  
Asn Lys Lys Gly Lys Leu Tyr Gly Ser Lys Glu Phe Asn Asn Asp Cys Lys Leu Lys Glu  
AGGATAGAGGAAAATGGATACAATACCTATGCATCATTAACTGGCAGCATAATGGGAGG 420  
Arg Ile Glu Glu Asn Gly Tyr Asn Thr Tyr Ala Ser Phe Asn Trp Gln His Asn Gly Arg  
CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGG 480  
Gln Met Tyr Val Ala Leu Asn Gly Lys Gly Ala Pro Arg Arg Gly Gln Lys Thr Arg Arg  
AAAAACACCTCTGCTCACTTCTTCAATGGTGGTACACTCATAG 525  
Lys Asn Thr Ser Ala His Phe Leu Pro Met Val Val His Ser •

**Figure 24B**

ATGACTTGCAGGCAGTGGTCAAGACATGGTTCCCCGGAAAGCTACCAACAGCTCCAGCTCTA**G**CTTCAGCTTA  
TACTGAACGGTCCGTGACCCAGTTCTGTACCAAAGGGGCCCTCGATGGTTGTCAGGTCGAGATCGAAGT 70

M T C Q A L G Q D M V S P E A T N S S S S S F  
CGAGCCCACATCTAGCGCAGGTGTCACGTTCGCTCTAACCAACCACTACAGGGTGATGTTGTCGTTGGCGCAA  
CGTCGGGTAGATCGCGTCCAGCAGTGCAAGCGAGAATGTTGGTGAATGTCCTACACAAGCAACCGCGTT 140

S S P S S A G R H Y R S Y N H L Q G D V R W R K  
ACTGTTCAAGCTTTACCAAGTACTCCTGAAAATCGAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAG 210

TGACAAGTCGAAATGGTTCATGAAGGACTTTAGCTTTTGCCATTCAAAAGACCCCTGGTTCTTCCTC

L F S F T K Y F L K I E K N G K V S G T K K E  
AACTGCCGTACAGCATCCTGGAGATAACATCAGTAGAAAATCGGAGTTGTTGCCGTCAAAGCCATTAACA  
TTGACGGGCATGTCGTAGGACCTCTATTGAGTCATCTTAGCCTCAACAAACGGCAGTTCGGTAAATTGT 280

N C P Y S I L E I T S V E I G V V A V K A . E N  
GCAACTATTACTTAGCCATGAACAAAGAAGGGAAACTCTATGGCTCAAAAGAATTAAACAAATGACTGAA  
CGTTGATAATGAATCGGTACTTGTCTTCCCTTGAGATAACCGAGTTCTTAAATTGTTACTGACATT 350

S N Y Y L A M N K K G K L Y G S K E F N N D C K  
GCTGAAGGAGAGGATAGAGGAAATGGATACAATACCTATGCATCATTAACTGGCAGCATAATGGGAGG 420

CGACTTCCTCTCCTATCTCCTTACCTATGTTATGGATACGTAGTAAATTGACCCTCGTATTACCCCTCC

L K E R I E E N G Y N T Y A S F N W Q H N G R  
CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACCGAAGGAAAACACCT  
GTTTACATACACCGTAACCTACCTTCTCGAGGTTCTCTCTGTCTTGTGCTTCCCTTGTGGA 490

Q M Y V A L N G K G A P R R G Q K T R R K N T  
CTGGTCACCTTCTTCAATGGTGGTACACTCATAG  
GACGAGTGAAGAAGGTTACCAACCATGTGAGTATC 525

S A H F L P M V V H S . →

**Figure 25**

ATGACCTGCCAGGCTCTGGTCAGGACATGGTTCTCCGGAAGCTACGAACCTTCC  
TCTTCCTCTTCTCTCCCCGTCTCCGCTGGCGTCACGTTCTTACAACCACCT  
GCAGGGTGACGTTCTGGCGTAAACTGTTCTCTTCAACCAAATACTTCCCTGAAAAT  
CGAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTCGCGTCAAAGCCATTACAGCAAC  
TATTACTTAGCCATGAACAAAGAAGGGAAACTCTATGGCTAAAAGAATTAAACAA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATAACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAACACGAAGGAAAACACCTCTGCTCACTTCTCCAAT  
GGTGGTACACTCATAG

MTCQALGQDMVSPEATNSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIE  
KNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNYLAMNKKGKL YGSKEFNNDCKL  
KERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

**Figure 26**

ATGGCTGGTCGTACGTTCTTACAACCACCTGCAGGGTGACGTTGGCGT  
AAACTGTTCTCTTACCAAATACTTCCGTAAAATCGAAAAACGGTAAAGTTCT  
GGGACCAAGAAGGAGAACTGCCGTACAGCATCCTGGAGATAACATCAGTAGAAAT  
CGGAGTTGTTGCCGTAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAGAA  
GGGGAAACTCTATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAGAGGA  
TAGAGGAAAATGGATACAATACCTATGCATCATTAACTGGCAGCATAATGGGAGG  
CAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACAC  
GAAGGAAAAACACCTCTGCTCACTTCTCCAATGGTGGTACACTCATAG  
  
MAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGV  
VAVKAINSNYYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMY  
VALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

**Figure 27**

ATGGITCGTGGCGAAACTGTTCTTCAACAAATACCTCCTGAAAATCGAAAAA  
AACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCGTACAGCATCCTGGAGAT  
AACATCAGTAGAAATCGGAGTTGCCGTCAAAGCCATTAACAGCAACTATTACTT  
AGCCATGAACAAGAAGGGAAACTCTATGGCTAAAAGAATTAAACAATGACTGTA  
AGCTGAAGGAGAGGATAGAGGAAATGGATACAATACCTATGCATCATTAACTGG  
CAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAG  
AGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTCTCCAATGGTGGTAC  
ACTCATAG

MVRWRKLFSTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSNNYLAM  
NKKGKLGYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKAPRRGQ  
KTRRKNTSAHFLPMVVHS.

**Figure 28**

ATGGAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCGTACAGCAT  
CCTGGAGATAACATCAGTAGAAATCGGAGTTGCCGTCAAAGCCATTAACAGCA  
ACTATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTAAAAGAATTAAAC  
AATGACTGTAAGCTGAAGGAGAGGATAGAGGAAATGGATACAATACCTATGCATC  
ATTTAACCTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGGAAAAGGAG  
CTCCAAGGAGAGGACAGAAAACACGAAGGAAAAACACCTCTGCTCACTTCTCCA  
ATGGTGGTACACTCATAG  
  
MEKNGKVSGTKKENCPYSILEITSVBIGVVAVKA  
INSNYLAMNKKGKLYGSKEFNNDC  
KLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVH  
S.

**Figure 29**

ATGGAGAACTGCCGTACAGCATCCTGGAGATAACATCAGTAGAAATCGGAGTTGT  
TGCCGTCAAAGCCATTAAACAGCAACTATTACTTAGCCATGAACAAGAAGGGGAAAC  
TCTATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAA  
AATGGATAACAATACTATGCATCATTAACTGGCAGCATAATGGGAGGCAAATGTA  
TGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAA  
AACACCTCTGCTCACTTCTCCAATGGTGGTACACTCATAG

MENCPYSILEITSVEIGVVAVKAINSNNYLAMNKKGKLYGSKEFNDCKLKERIEENGY  
NTYASFNWQHNGRQMYVALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.

**Figure 30**

ATGGTCAAAGCATTAAACAGCAACTATTACTTAGCCATGAACAAGAAGGGAAA  
CTATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAGAGGATAGAGGAAA  
**ATGGATAACAATAACCTATGCATCATTAACTGGCAGCATAATGGGAGGCAAATGTATG**  
TGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAACACGAAGGAAAAAA  
CACCTCTGCTCACTTCTCAATGGTGGTACACTCATAG  
  
**MVKAINSYYLAMNKKGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMY**  
**VALNGKGAPRRGQKTRRKNTSAHFLPMVVHS.**

**Figure 31**

ATGGGGAAACTCTATGGCTAAAAGAATTAAACAATGACTGTAAGCTGAAGGAGAG  
GATAGAGGAAAATGGATAACAATACCTATGCATCATTAACTGGCAGCATAATGGGA  
GGCAAATGTATGTGGCATTGAATGGAAAAGGAGCTCCAAGGAGAGGACAGAAAAC  
ACGAAGGAAAAACACCTCTGCTCACTTCTCCAATGGTGGTACACTCATAG  
  
MGKLYGSKEFNNDCKLKERIEENGYNTYASFNWQHNGRQMYVALNGKGAPRRGQKT  
RRKNTSAHFLPMVVHS.

**Figure 32**

ATGACCTGCCAGGCTCTGGGTCAAGGACATGGTTCTCCGAAGCTACCAACTCTTCC  
TCTTCCTCTTCTCTCCCCGTCTCCGCTGGTCGTACGTTCGTCTTACAACCACCT  
GCAGGGGTGACGTTCGTGGCGTAAACTGTTCTCTTCAACAAATACTTCCTGAAAAT  
CGAAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGITGTTGCCGTCAAAGCCATTAAACAGCAAC  
TATTACTTAGCCATGAACAAAGAAGGGAAACTCTATGGCTAAAAGAATTAAACAA  
TGACTGTAAGCTGAAG

MTCQALGQDMVSPEATNSSSSSFSSPSSAGRHVRSYNHLQGDVRWRKLFSFTKYFLKIE  
KNGKVSGTKKENCPYSILEITSVEIGVVAVKAINSYYLAMNKKGKLYGSKEFNNDCKL  
K  
KLSDE

**Figure 33**

ATGGCTGGTCGTACGTTCTTACAACCACCTGCAGGGTGACGTTGGCGT  
AAACTGTTCTCTTCACCAAATACTTCTGAAAATCGAAAAAACGGTAAAGTTCT  
GGGACCAAGAAGGAGAACTGCCGTACAGCATCCTGGAGATAACATCAGTAGAAAT  
CGGAGTTGTTGCCGTCAAAGCATTAAACAGCAACTATTACTTAGCCATGAACAAGAA  
GGGGAAACTCTATGGCTCAAAAGAATTAAACAATGACTGTAAGCTGAAG  
  
MAGRHVRSYNHLQGDVRWRKLFSTKYFLKIEKNGKVSGTKKENCPYSILEITSVEIGV  
VAVKAINSNYYLAMNKKGKLHYGSKEFNNDCKLK

## Figure 34

C-37 To Ser

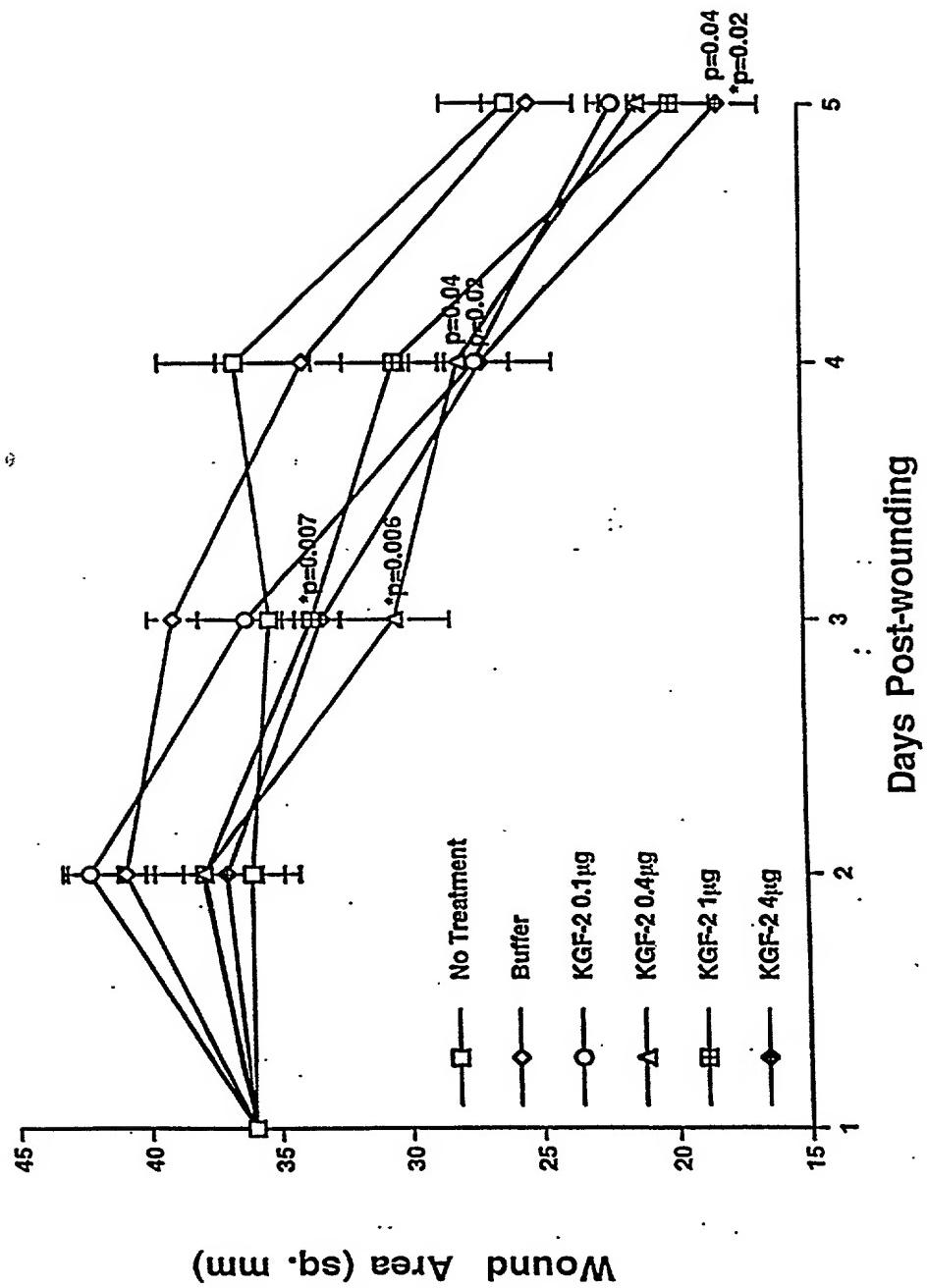
ATGACCTCTCAGGCTCTGGGTCAAGGACATGGTTCTCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTCTCTTCCCCGCTTCCGCTGGTCGTACGTTCTTACAACCACCT  
GCAGGGTGACGTTCGTGGCGTAAACTGTTCTCTTACCAAATACTTCCCTGAAAAT  
CGAAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAGAACTGCCGTACAGCATCC  
TGGAGATAACATCAGTAGAAATCGGAGTTGTCGGTCAAAGCCATTACAGCAAC  
TATTACTTAGCCATGAACAAAGAAGGGAAACTCTATGGCTCAAAAGAATTAAACAA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATAACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGGAAATGTATGTGGCATTGAATGGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAACACGAAGGAAAACACCTCTGCTCACTTCTCCAAT  
GGTGGTACACTCATAG

## Figure 35

C-106 To Ser

ATGACCTGCCAGGCTCTGGGTCAAGGACATGGTTCTCCGGAAGCTACCAACTCTTCC  
TCTTCCTCTTCTCTCCCCGTCTCCGCTGGCGTAAACTGTTCTCTTCAACCAACCACCT  
GCAGGGGTGACGTTCGTGGCGTAAACTGTTCTCTTCAACCAAAACTCTCCTGAAAAT  
CGAAAAAAAACGGTAAAGTTCTGGGACCAAGAAGGAGAACTCTCCGTACAGCATCC  
TGGAGATAAACATCAGTAGAAATCGGAGTTGTTGCCGTCAAAGCCATTAAACAGCAAC  
TATTACTTAGCCATGAACAAGAAGGGGAAACTCTATGGCTCAAAAGAATTAAACAA  
TGACTGTAAGCTGAAGGAGAGGATAGAGGAAAATGGATAACAATACCTATGCATCAT  
TTAACTGGCAGCATAATGGGAGGCAAATGTATGTGGCATTGAATGAAAAGGAGCT  
CCAAGGAGAGGACAGAAAACACGAAGGAAAACACCTCTGCTCACTTCTCCAAT  
GGTGGTACACTCATAG

**Figure 36**

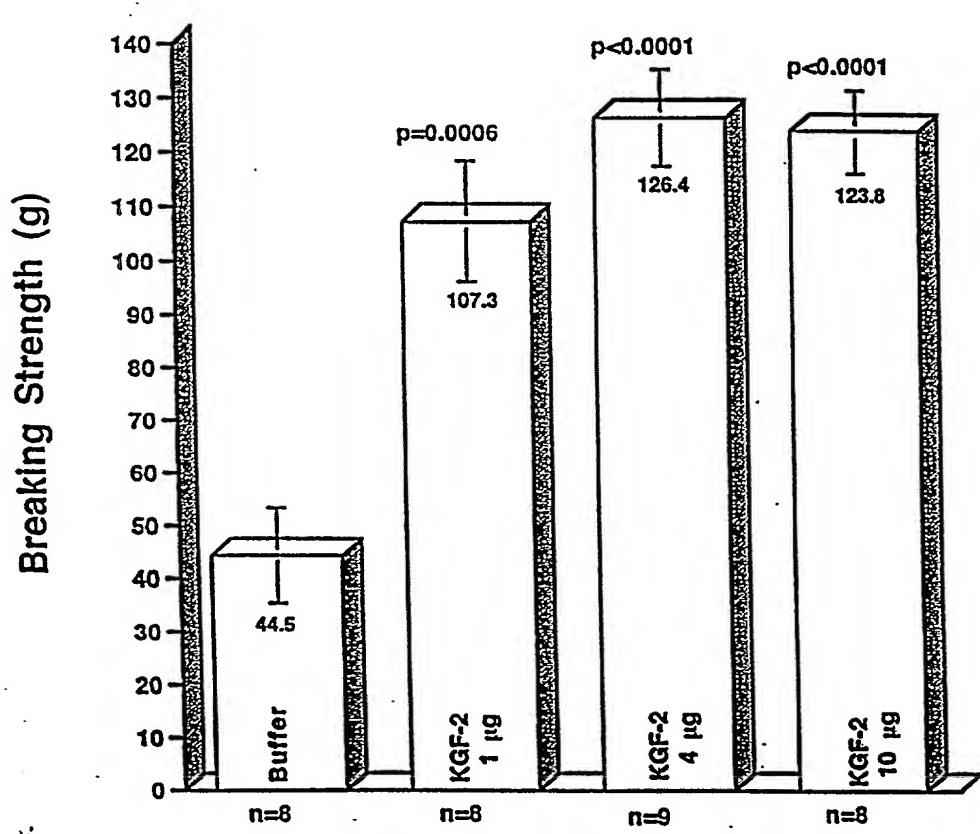


## Figure 37

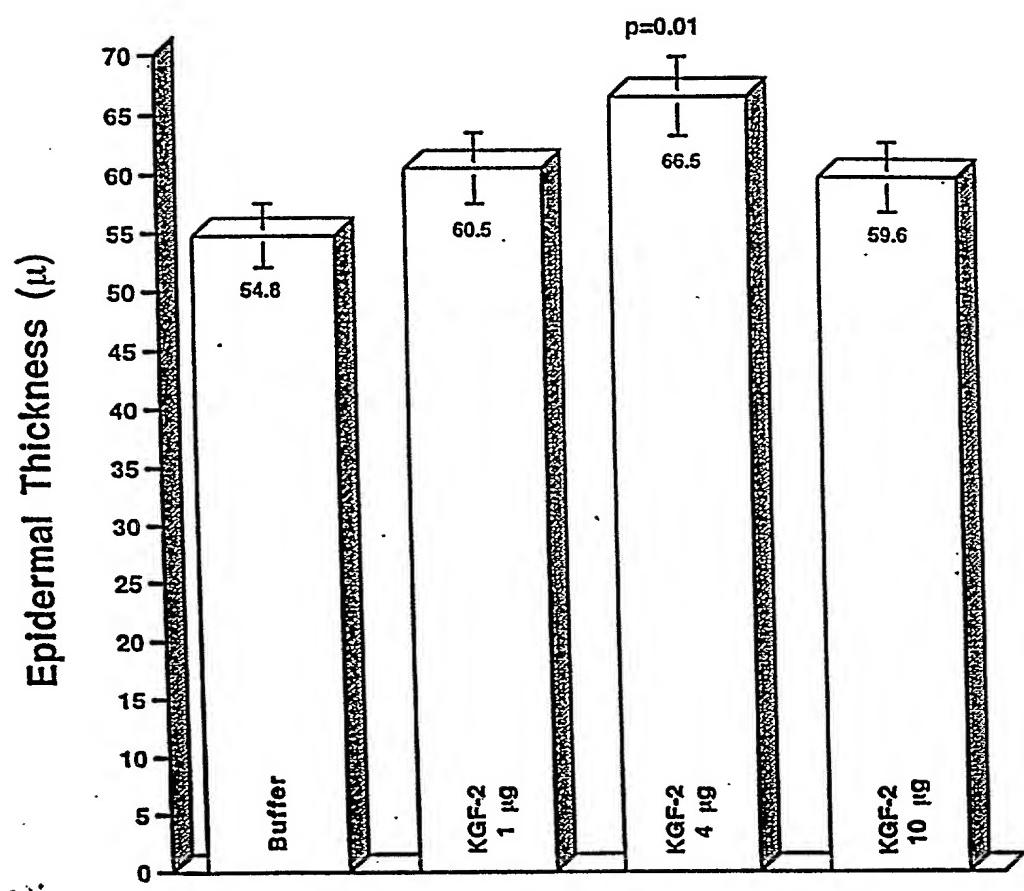
**Effect of KGF-2 Δ33 on Normal Wound Healing Rat Model**

Treatment Groups	Wound Size (mm)	%Wound Closure	Histological Score	Re-epith. (μm)	BrdU Score
No Treatment	25.9 ± 2.5	58.8 ± 3.7	6.8 ± 0.2	1142 ± 141	3.8 ± 0.4
Buffer	25.1 ± 1.7	60.2 ± 2.6	6.4 ± 0.2	923 ± 61	5.0 ± 0.4
KGF-2/Δ33 (0.1μg)	22.0 ± 0.9	65 ± 1.4	6.8 ± 0.2	1275 ± 148	4.6 ± 0.7
KGF-2/Δ33 (0.4 μg)	21.1 ± 1.4	68.4 ± 2.4	8.0 ± 0.5 p=0.0445*	1310 ± 182	4.2 ± 0.7
KGF-2/Δ33 (1.0μg)	19.9 ± 1.5	66.2 ± 2.1	8.4 ± 0.4 p=0.0159* p=0.0053†	1389 ± 115 p=0.0074†	3.3 ± 0.25 p=0.0217†
KGF-2/Δ33 (4.0μg)	18.1 ± 1.6 p=0.0398* p=0.0200†	71.2 ± 2.6 p=0.0367* p=0.0217†	8.5 ± 0.3 p=0.0047* p=0.0445†	1220 ± 89 p=0.0254†	5.3 ± 0.9

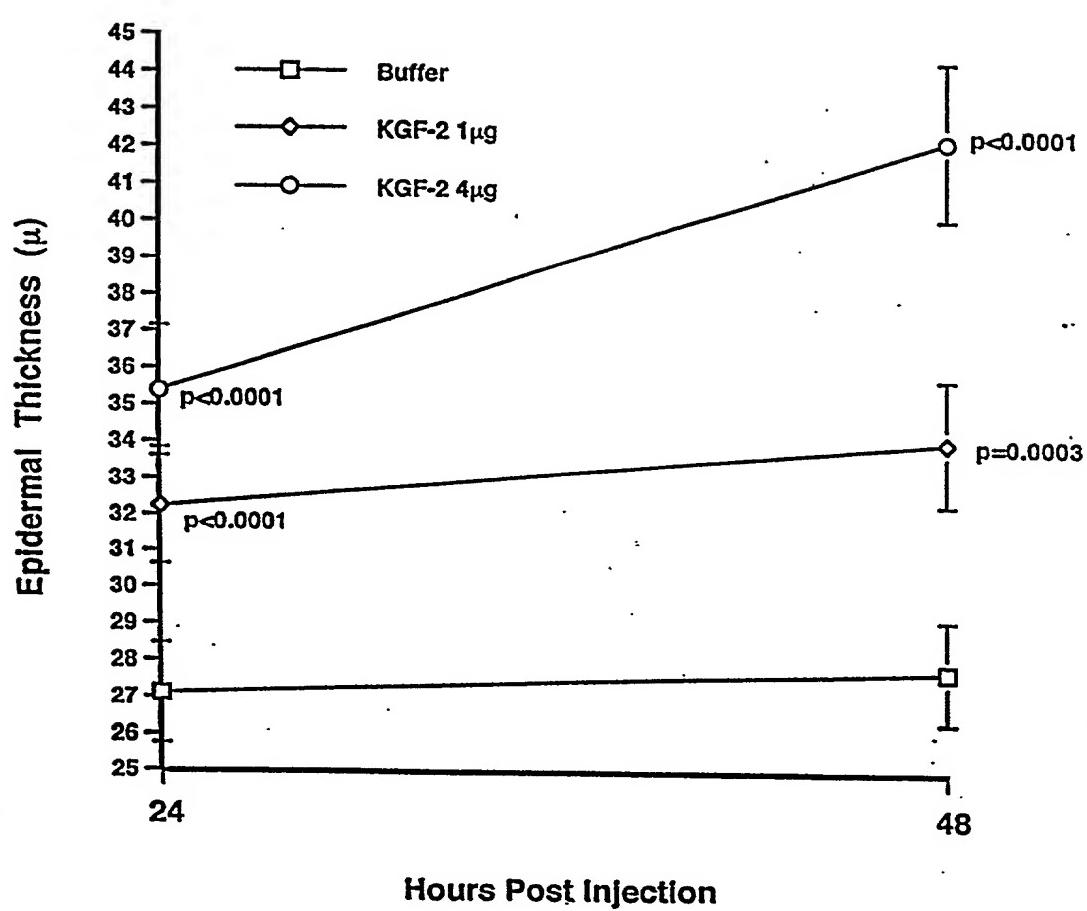
**Figure 38**



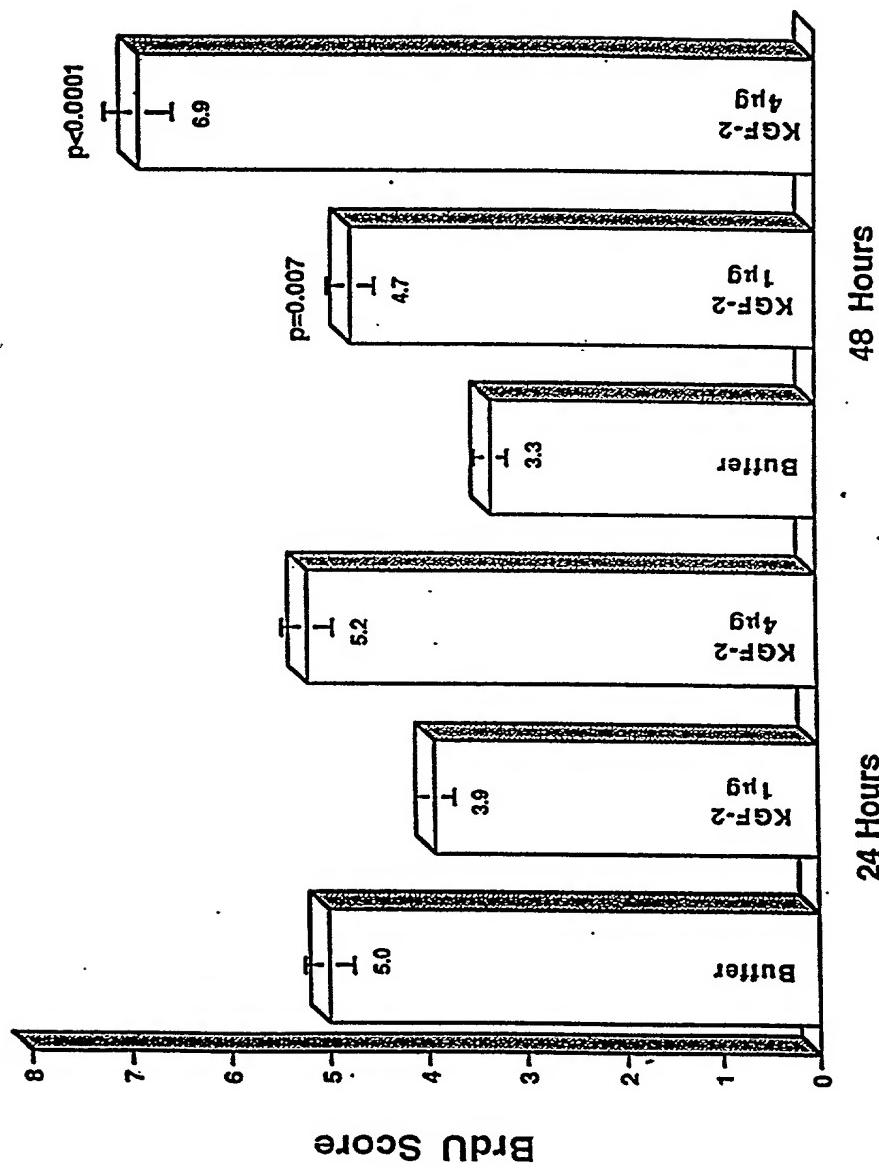
**Figure 39**



**Figure 40**

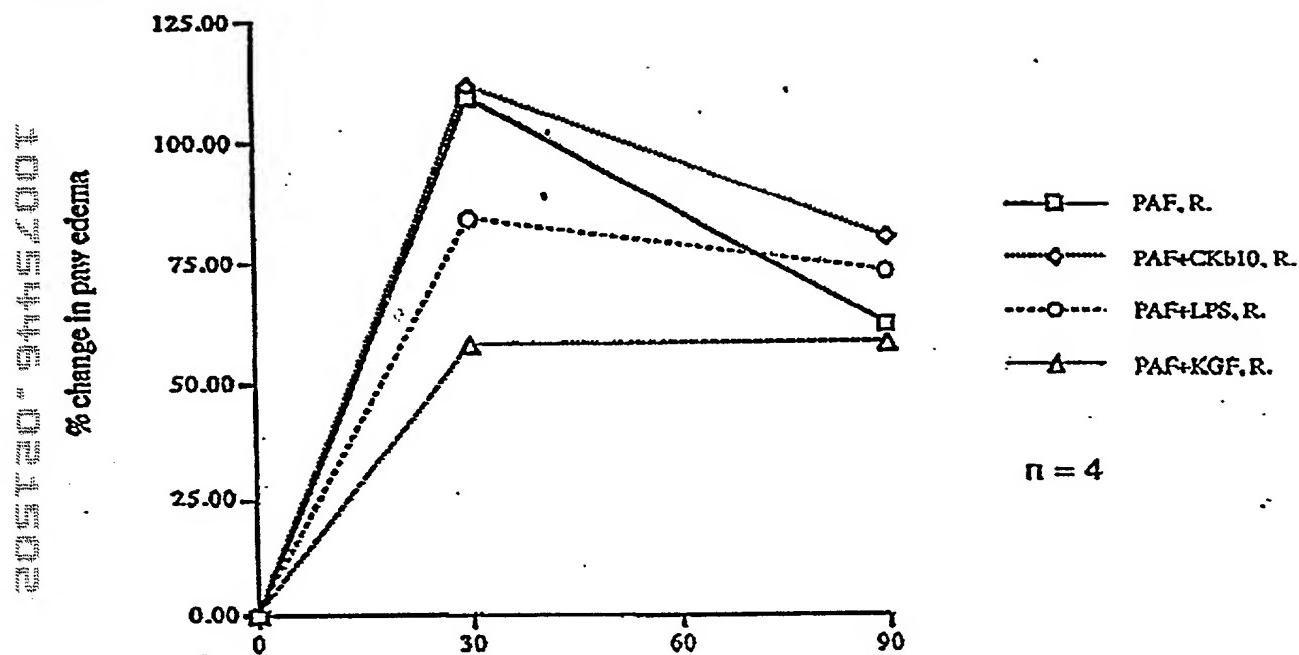


**Figure 41**



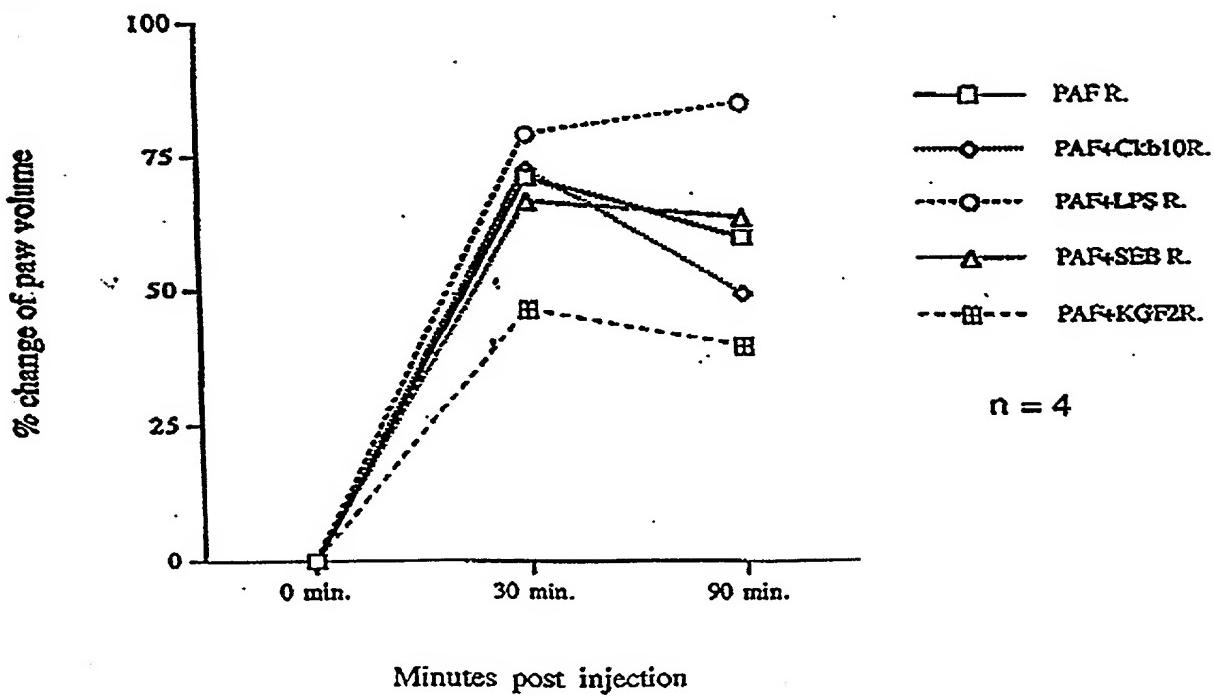
**Figure 42**

No.1



n = 4

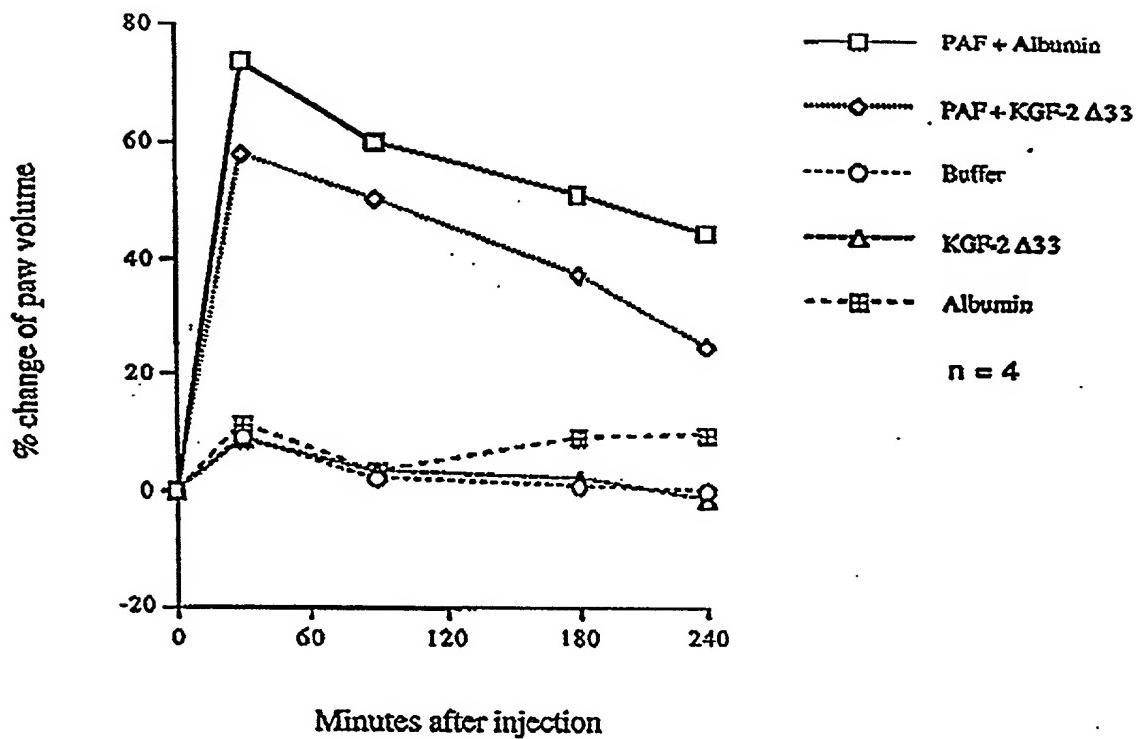
No.2



n = 4

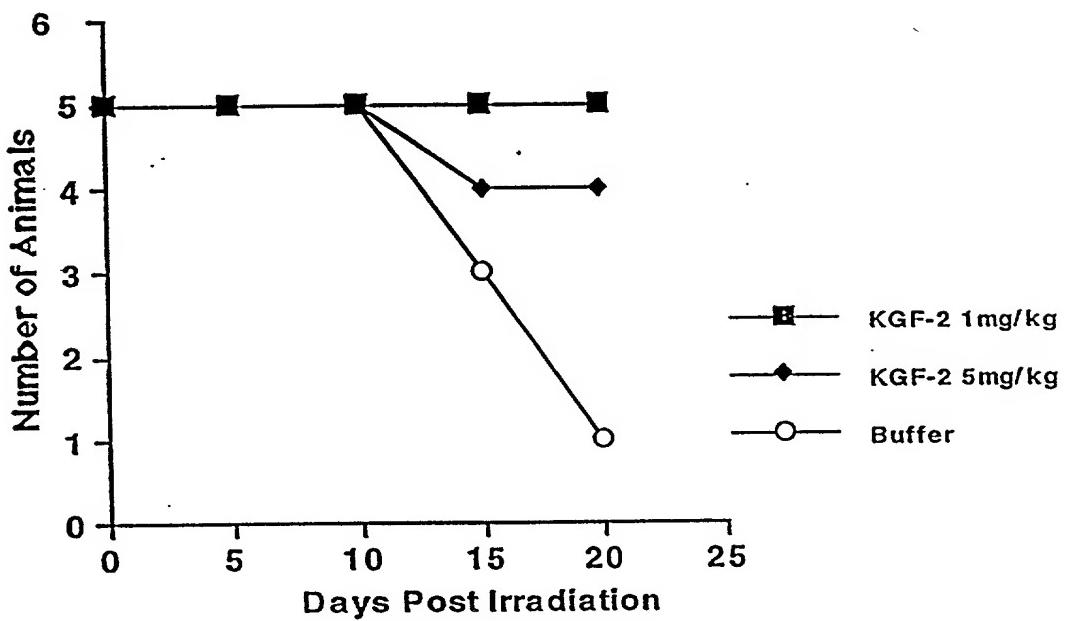
Minutes post injection

**Effect of KGF-2  $\Delta$ 33 on PAF-induced paw edema in Lewis rats**



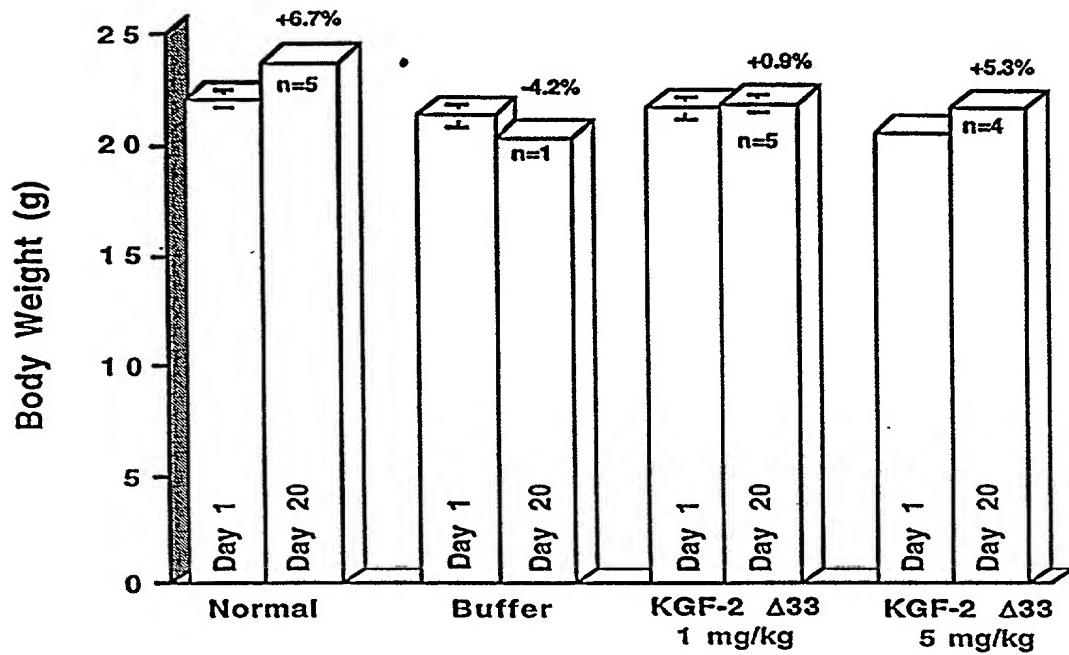
**Figure 43**

## **Effect of KGF-2 $\Delta$ 33 on Survival of Whole Body Irradiated Balb/c Mice**



**Figure 44**

### **Effect of KGF-2 $\Delta$ 33 on Body Weight of Irradiated Mice**



**Figure 45**

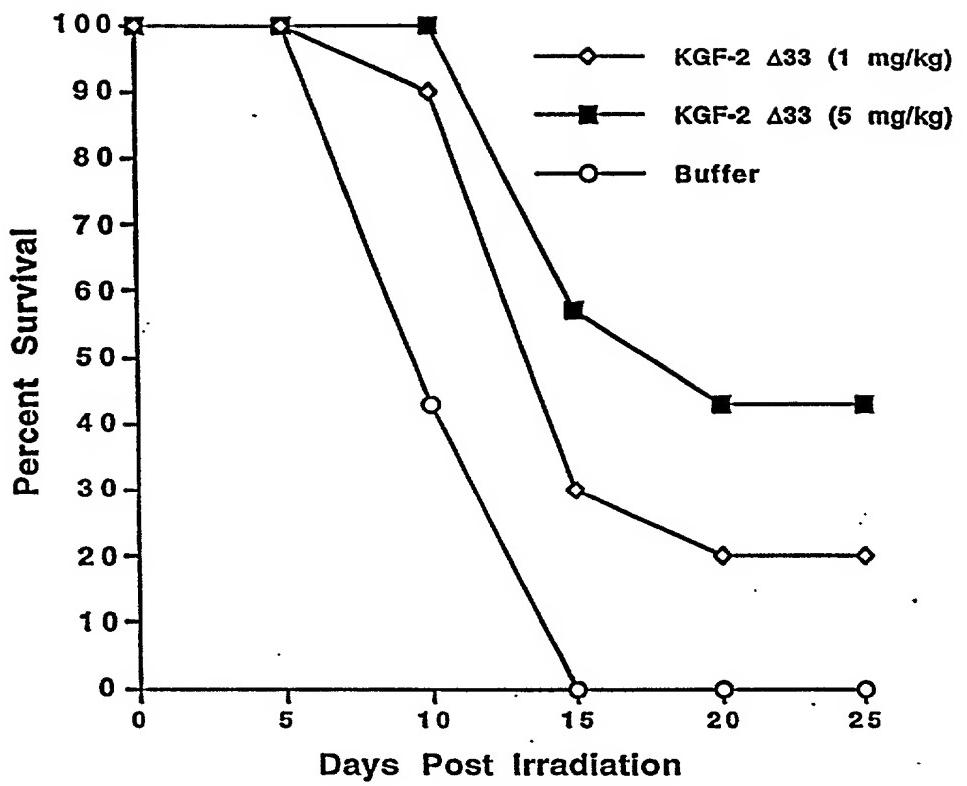


Figure 46

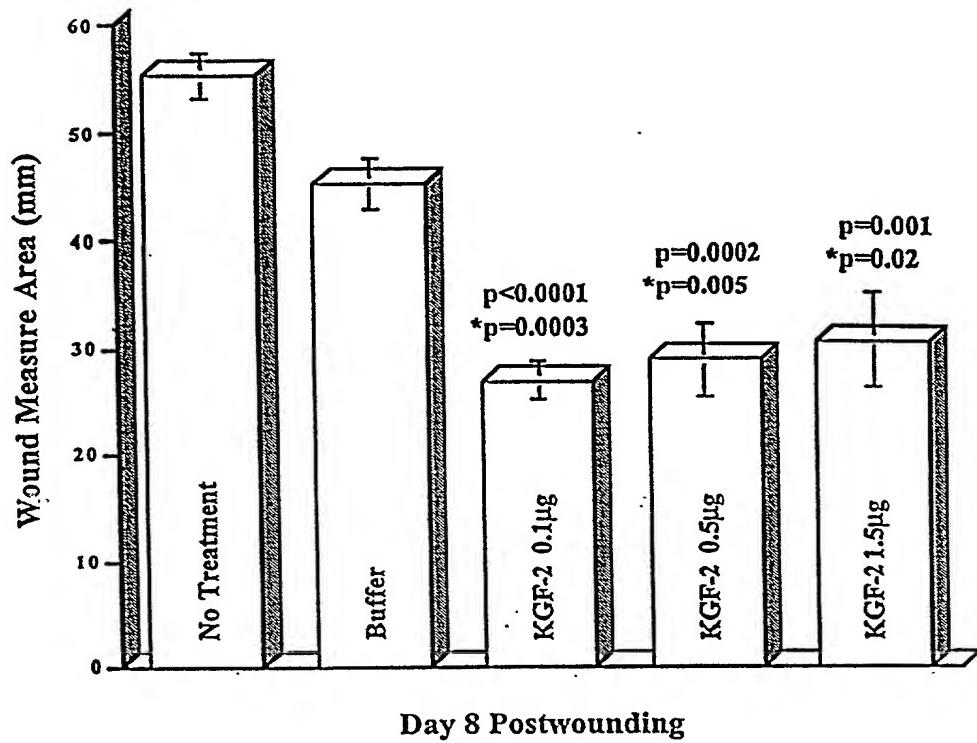
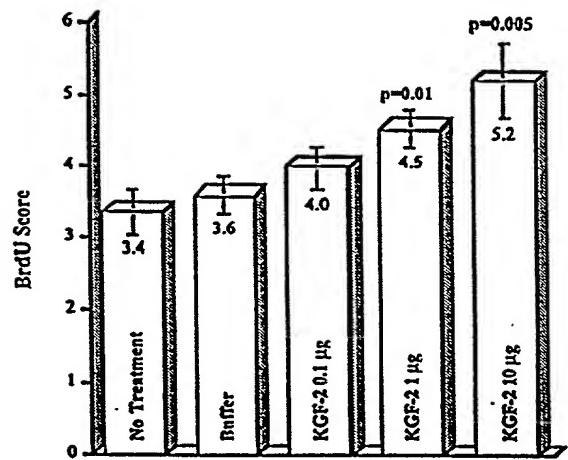
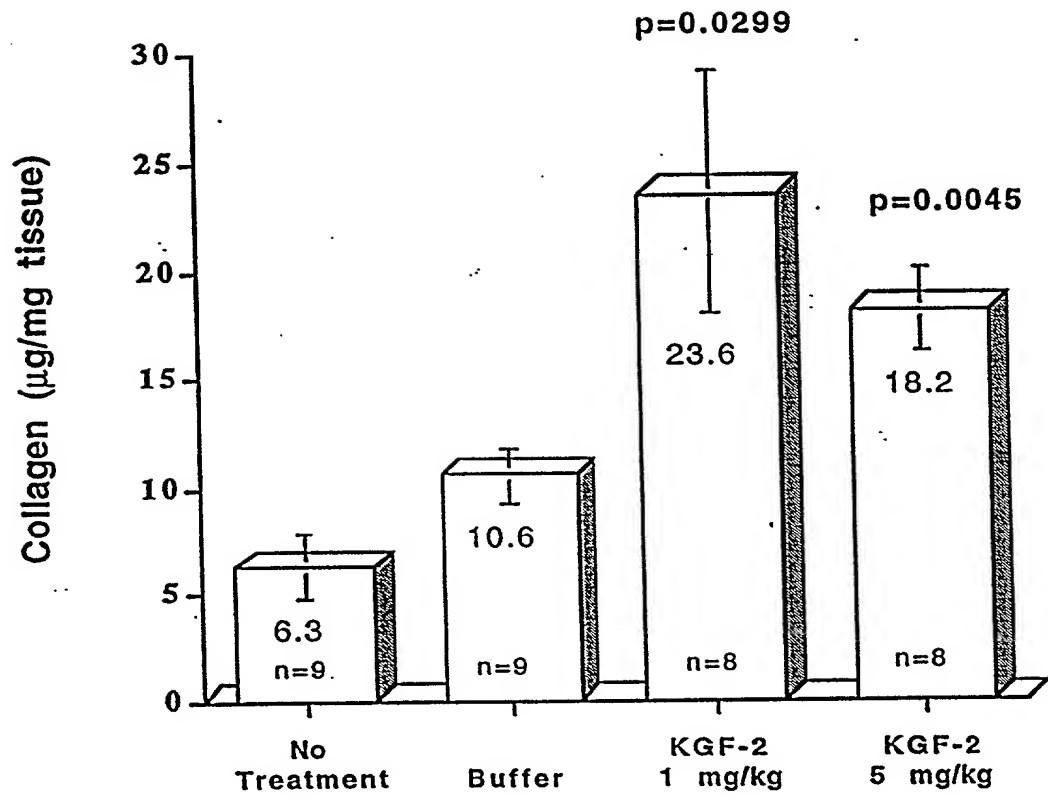


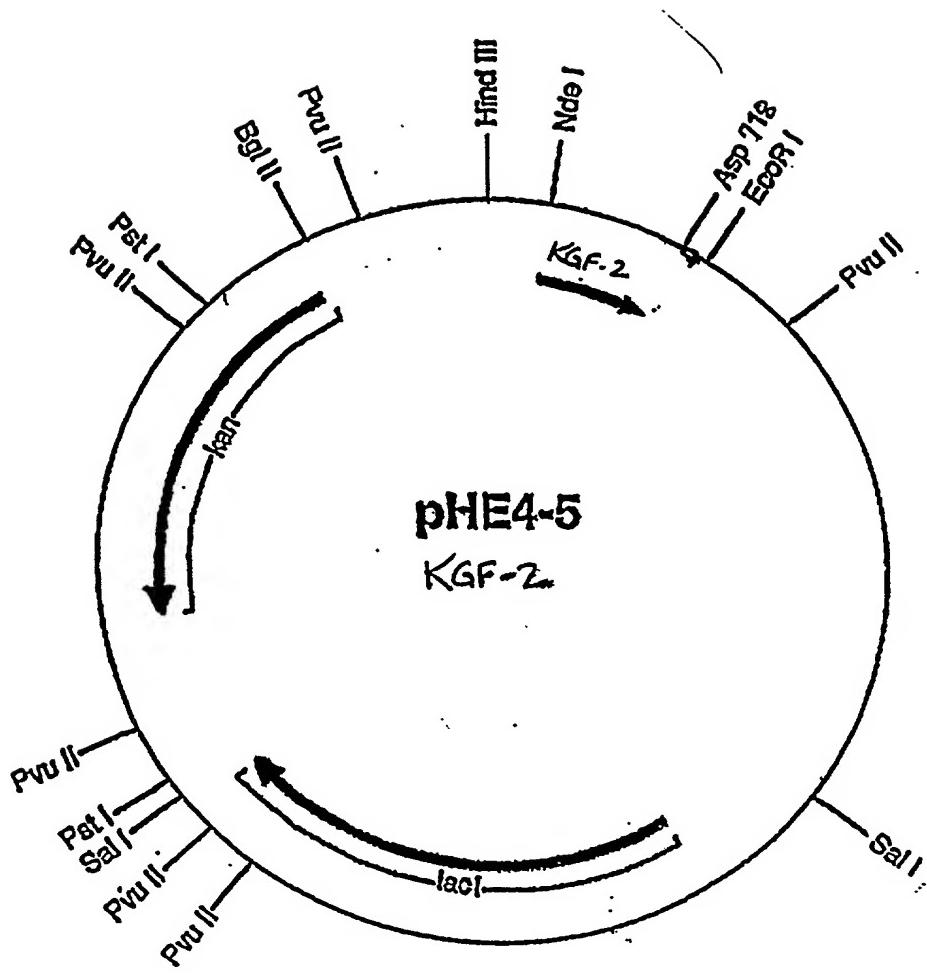
Figure 47

**Figure 48**





**Figure 49**



**FIGURE 50**

FIGURE 51

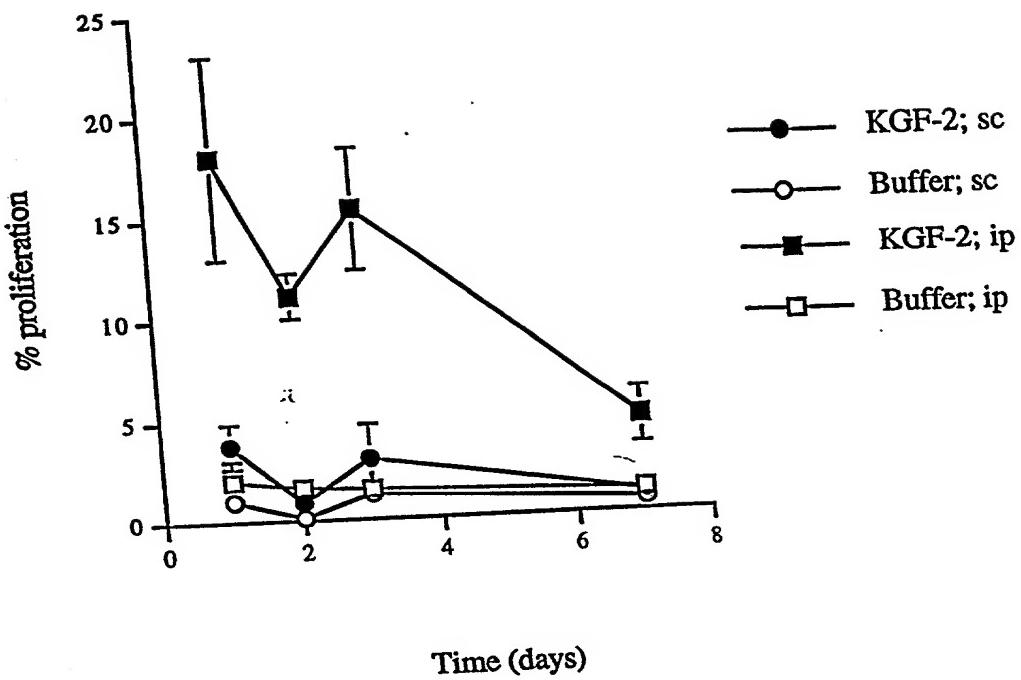
Operator 1  
-35 AAGCTT AAAAACTGGCAAAATAGTTGACTTGTCACACATTAA

1 AAGCTT AAAAACTGGCAAAATAGTTGACTTGTCACACATTAA

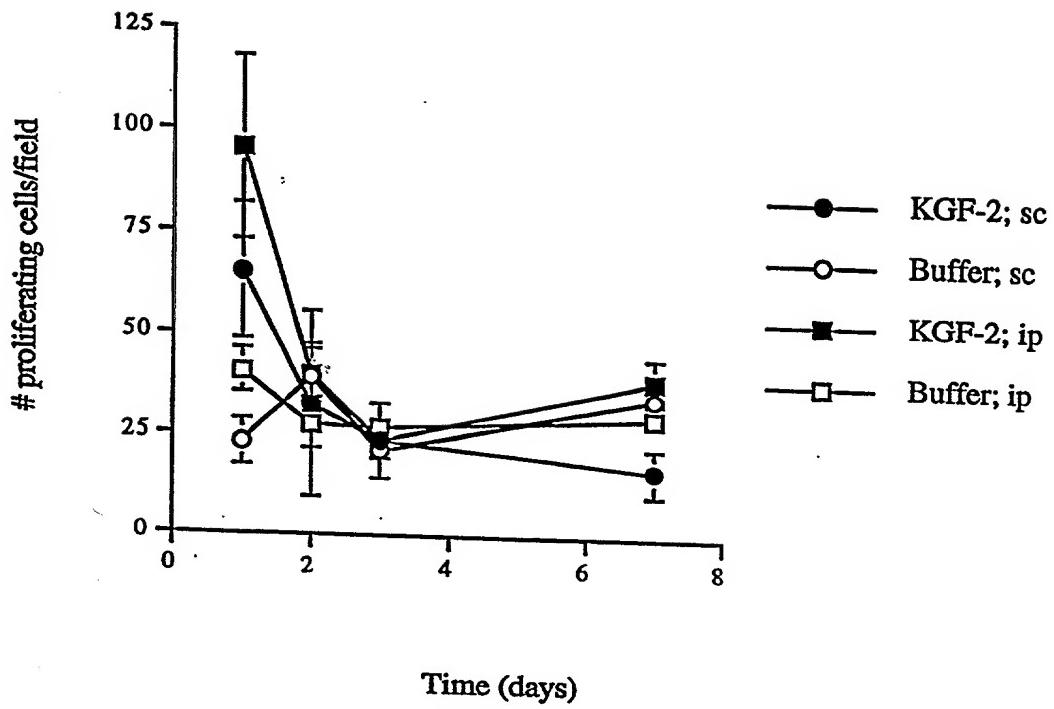
Operator 2  
-10 TAAGATGTACCCGTCACACATTAA

50 TAAGATGTACCCGTCACACATTAA

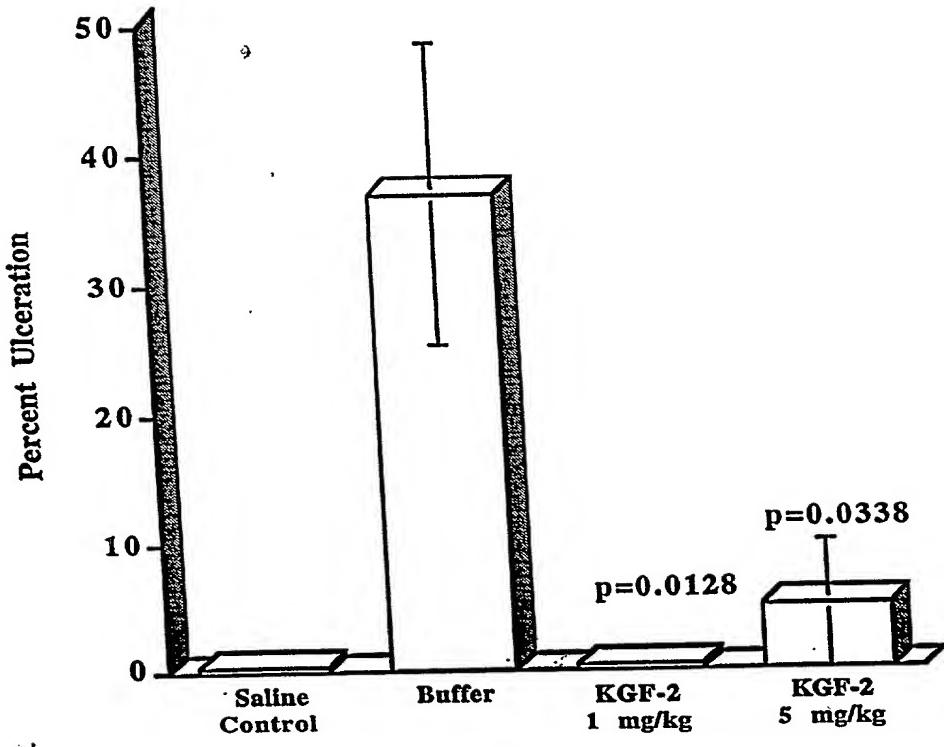
S/D  
94 AGAGGAGAAATTAA CATATG



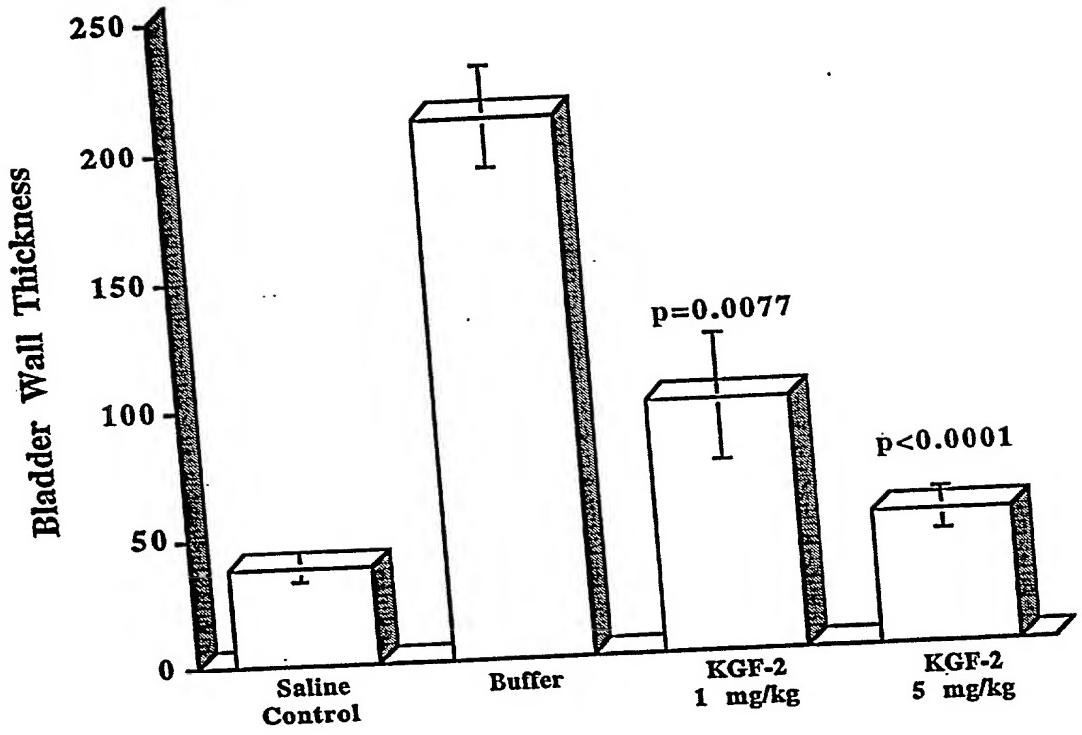
**FIGURE 52**



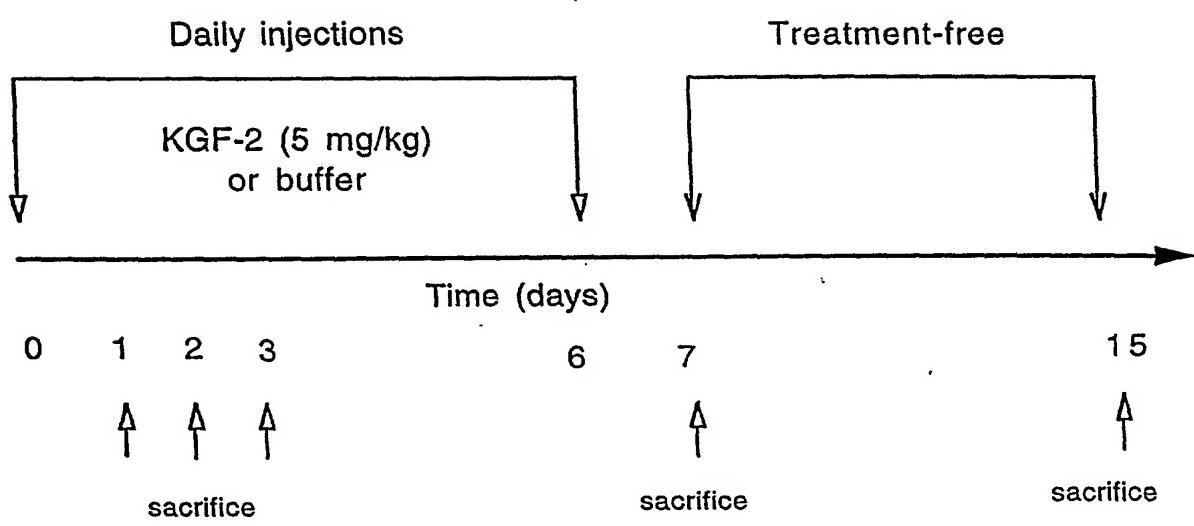
**FIGURE 53**



**FIGURE 54**

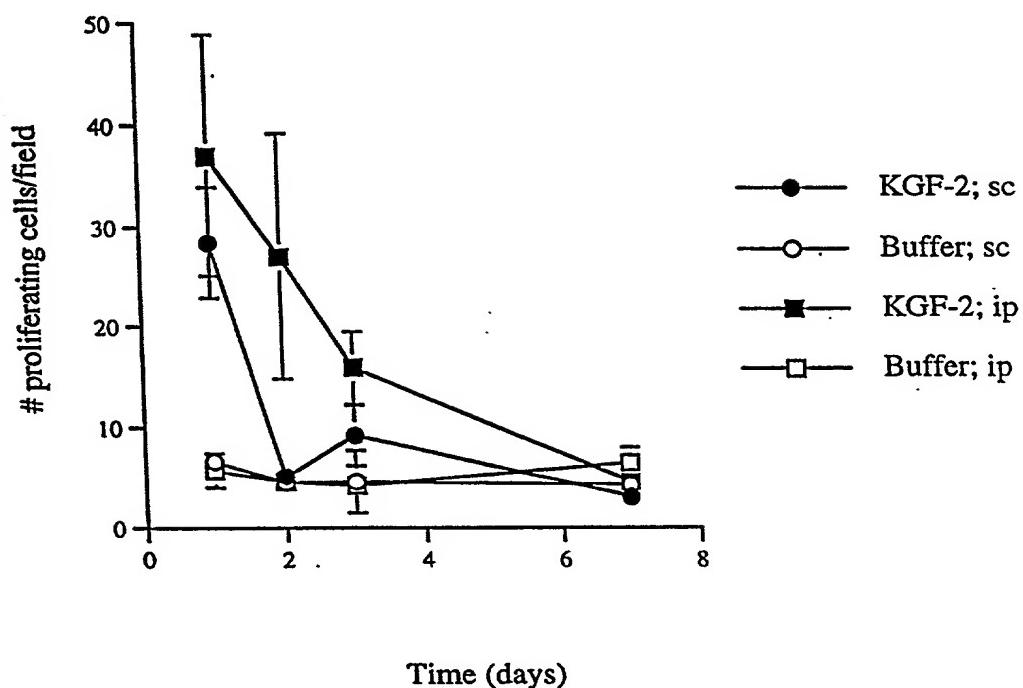


**FIGURE 55**



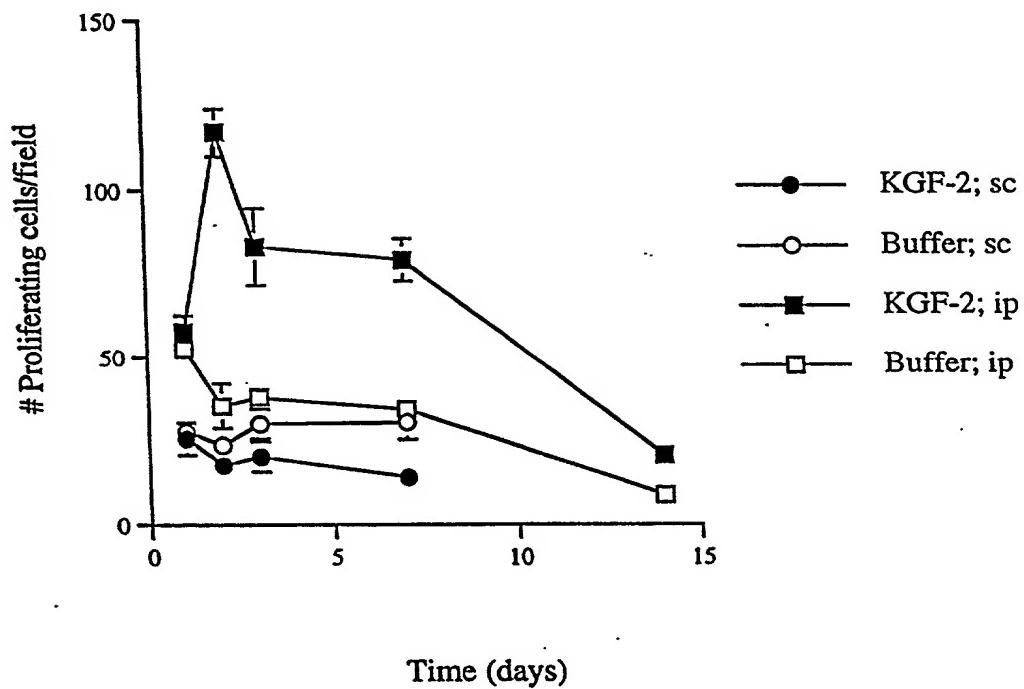
**FIGURE 56**

Proliferation of hepatocytes following systemic administration of KGF-2



**FIGURE 57**

## Proliferation of pancreatic cells following systemic administration of KGF-2



**FIGURE 58**

Proliferation of renal epithelia after systemic administration of KGF-2

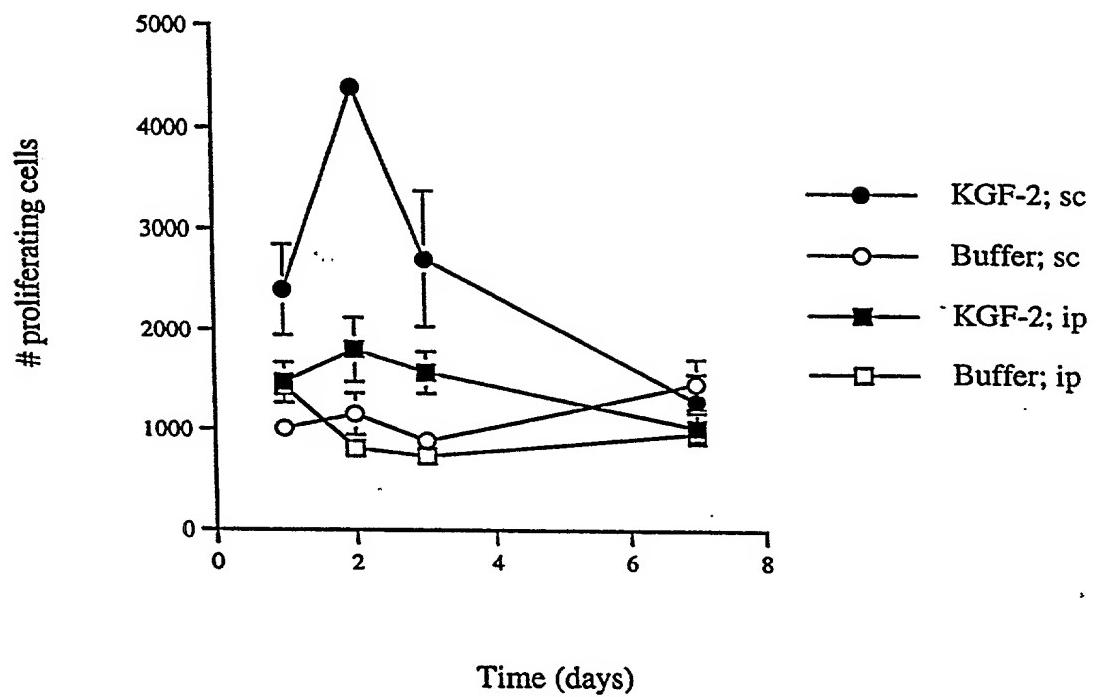
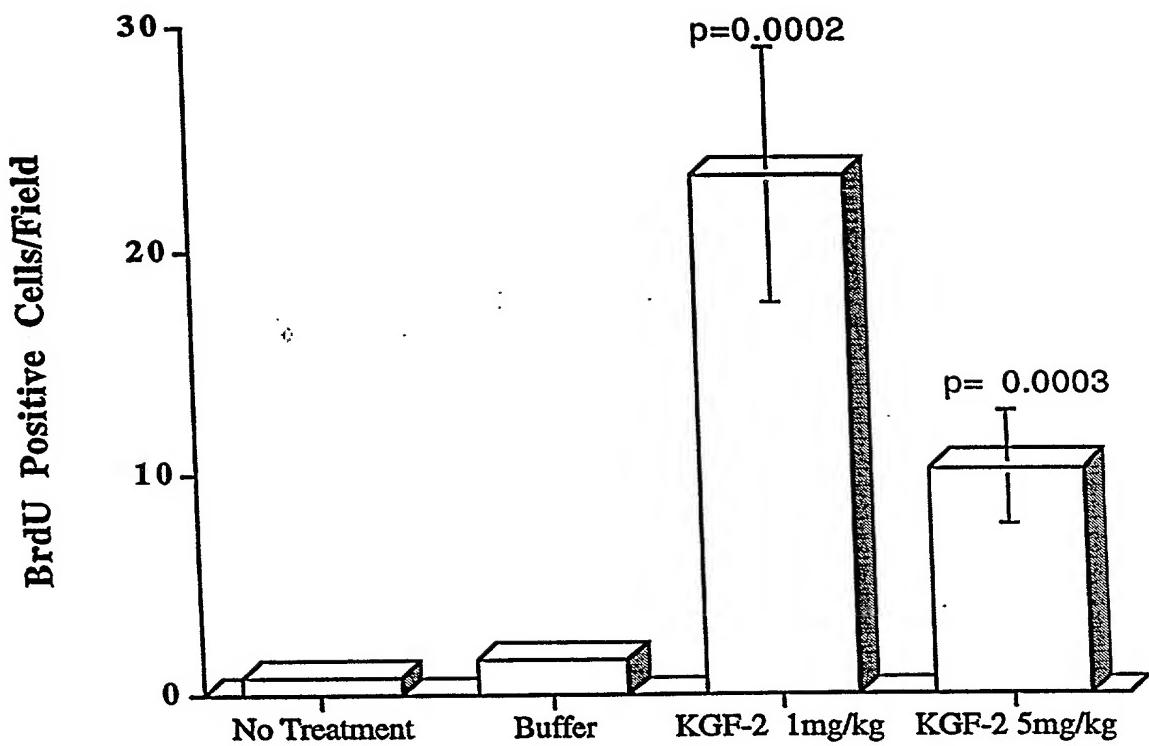


FIGURE 59



**FIGURE 60**